

SENSOR&TRANSMITTER

ASI sensor&transmitters, your professional and reliable choice in the maritime, ensure the safety and efficiency of production!



Pressure Transmitter

Model	Drawing No.	Application
 SMP131-TLD	PT-SMP131-TLD-DS	Gas and Liquid Medium Pressure Measuring; Indoor Installation Type-IP66; Explosive Environments;
	PT-SMP131-TLD-MT	
 SMP131-TLH	PT-SMP131-TLH-DS-001	Gas and Liquid Medium Pressure Measuring; Outdoor Installation Type-IP67; Explosive Environments;
	PT-SMP131-TLH-MT	
 SMP131-TLN	PT-SMP131-TLN-DS-001	Side Mounting Liquid Level/Pressure Measuring; Immersion Installation Type-IP68; Explosive Environments;
	PT-SMP131-TLN-MT	
	PT-SMP131-TLN-DS-002	Four /Six Conner Draft Level Measuring; Immersion Installation Type-IP68; Explosive Environments;
	PT-SMP131-TLN-MT-D	
 LMP633-NLN	PT-LMP633-NLN-DS	Top Mounting Liquid Level Measuring; Immersion Installation Type-IP68; Explosive Environments;
	PT-LMP633-NLN-MT	

Pressure Transmitter

Model	Drawing No.	Application
 CXT-SKC	PT-CXT-SKC-DS	Gas and Liquid Medium Diff.Pressure Measuring; Outdoor Installation Type-IP67; Explosive Environments; Intelligent Type With Hart Communication;
 CXT-SKG	PT-CXT-SKG-DS	Gas and Liquid Medium Gauge Pressure Measuring; Outdoor Installation Type-IP67; Explosive Environments; Intelligent Type With Hart Communication;
 CXT-SKA	PT-CXT-SKA-DS	Gas and Liquid Medium Absolute Pressure Measuring; Outdoor Installation Type-IP67; Explosive Environments; Intelligent Type With Hart Communication;
 CXT-SKP	PT-CXT-SKP-DS	Gas and Liquid Medium Gauge Pressure Measuring; Outdoor Direct Mounting Installation Type-IP66; Explosive Environments; Intelligent Type With Hart Communication;
 CXT-SKH	PT-CXT-SKH-DS	Gas and Liquid Medium Absolute Pressure Measuring; Outdoor Direct Mounting Installation Type-IP66; Explosive Environments; Intelligent Type With Hart Communication;

Microwave Radar Level Gauge

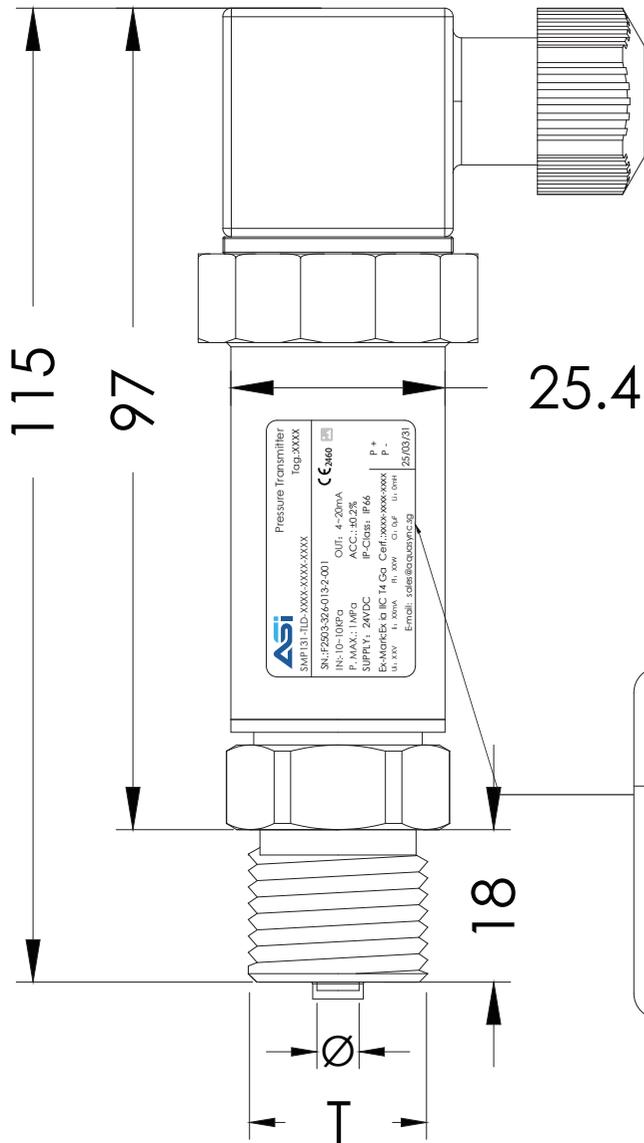
Model	Drawing No.	Application
 <p>SL906</p>	LT-SL906-DN150-DS	Non-contact Liquid Level Measuring; Outdoor Installation Type-IP67; Normal Temperature Application; Explosive Environments; High Accuracy&Frequency/Small beam angle;
	LT-SL906-DN80-DS	
 <p>SL906S</p>	LT-SL906S-DN150-DS	Non-contact Liquid Level Measuring; Outdoor Installation Type-IP67; High Temperature Application; Explosive Environments; High Accuracy&Frequency/Small beam angle;
	LT-SL906S-DN80-DS	
	LT-SL90-MT	Normal Installation Form
	LT-SL90-MT-GWP	Guide Wave Pipe Installation Form

Float Level Switch

Model	Drawing No.	Application
 SL20-1T-D	LS-SL20-1T-D-DS	Top Mounting Liquid Level Alarm; Two Float Switch Level Alarm; Explosive Environments; With Self-check Device;
	LS-SL20-1T-S-DS	Top Mounting Liquid Level Alarm; One Float Switch Level Alarm; Explosive Environments; With Self-check Device;
	 SL20-1T-S	LS-SL20-1T-MT
 SL20-2T	LS-SL20-2T-DS	Side Mounting Liquid Level Alarm; Explosive Environments; With Self-check Device;
	LS-SL20-2T-MT	

Temperature Sensor & Transmitter

Model	Drawing No.	Application
 WZPK	TS-WZPK-DS	PT100 Signal Output; Outdoor Installation Type is feasible-IP67; Protection Well is available for selection-Thread/Flange; Explosive Environments;
 WZPB	TT-WZPB-DS	4~20mA Signal Output; Outdoor Installation Type is feasible-IP67; Protection Well is available for selection-Thread/Flange; Explosive Environments;
 WZPBS	TT-WZPBS-DS	4~20mA Signal Output With LCD Display; Outdoor Installation Type is feasible-IP67; Protection Well is available for selection-Thread/Flange; Explosive Environments;
 WZPD	TS-WZPD-DS	PT100 Signal Output; Outdoor Installation Type is feasible-IP67; Optional multiple temperature Measurements; Explosive Environments;



Pressure Transmitter
 Tag: XXXX
CE_{MAG}
 SN:F2503-326-013-2-001 OUI: 4~20mA
 IN:-10~10KPa ACC.:±0.2%
 P. MAX.: 1MPa IP-Class: IP66
 SUPPLY: 24VDC
 Ex-Mark:Ex ia IIC T4 Ga Cert.:xxxx-xxxx-xxxx
 U: XXV Ii: XXmA Pi: XXW Ci: 0µF Li: 0mH
 Email: sales@aquasync.sg 25/03/31

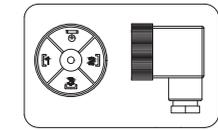
ASI Pressure Transmitter
 SMP131-TLD-XXXX-XXXX-XXXX Tag.:XXXX

SN.:F2503-326-013-2-001 **CE**₂₄₆₀

IN:-10~10KPa OUT: 4~20mA
 P. MAX.: 1MPa ACC.: ±0.2%
 SUPPLY: 24VDC IP-Class: IP66
 Ex-Mark:Ex ia IIC T4 Ga Cert.:xxxx-xxxx-xxxx 1 +
 U: XXV Ii: XXmA Pi: XXW Ci: 0µF Li: 0mH 2 -
 E-mail: sales@aquasync.sg 25/03/31



Electrical Wiring



Mark	2-wires	
1	+	
2	-	
3	/	
⊥	PE	

Options

Process Connection(T)

- G1/2"-Male G1/2"-Female
- G1/4"-Male G1/4"-Female
- G3/8"-Male M20X1.5-Male

Press. Form

- Gauge Press. Absolute Press.

Diaphragm Material

- SS316L (Freshwater, gas, oil, etc)
- HC-276 (Acid, alkali, seawater, etc)
- Ceramic (Hydrogen, corrosion, wear-resistant)

Ex-Proof

- ExIIaICT4Ga N/A
- CNEX ATEX IECEx

Measuring Range

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Technical Parameter

LRL/URL	(-0.1~4)Mpa
Pressure Overload	150%-Range
Measuring Accuracy	±0.2% F.S.
Output Signal	(4~20)mA; 2-wires
Ambient Temp.	(-40~85)°C
Power Supply	24VDC
Cable Entrance	PG11(5~10mm)
Elec. Wiring	1: +; 2: PE
Protection-Grade	IP66; EN 60529/IEC 529
Material	Body:SS316L

Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

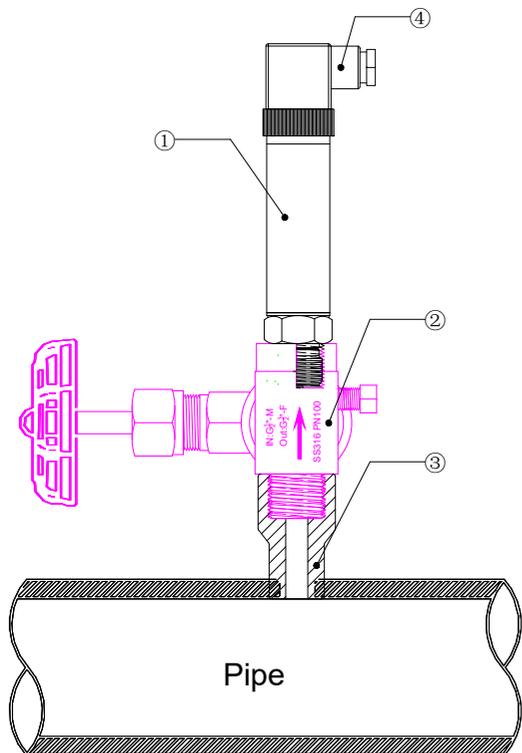
V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date



WEIGHT	TYPE
0.3Kg	SMP131-TLD

TITLE Pressure Transmitter
DRAWING NO.: PT-SMP131-TLD-DS

Form A

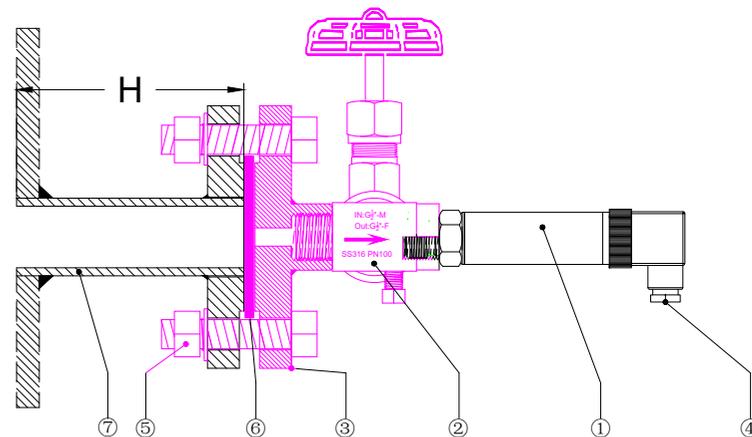


NOTE:

1. All components have PTFE gaskets at the docking connection points. Please tighten them during installation to ensure sufficient compression and contact of the gaskets, ensuring the sealing performance of the connection;
2. The installation of sensors requires a side installation form, with the cable entrance facing downwards. When wiring cable, it should be installed from bottom to top to avoid accidental water ingress at the cable entry end.
3. Transmitter should be installed at indoor area.

④	Cable Gland	PG11(5~10mm cable)	-	-
③	Threaded welding Joint	G1/2"(F)	SS316L	-
②	3 ways Test Cock valve	Inlet: G1/2"(M)-Outlet: G1/2"(F)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Pressure Transmitter	SMP131-TLD	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

Form B



NOTE:

1. All components have PTFE gaskets at the docking connection points. Please tighten them during installation to ensure sufficient compression and contact of the gaskets, ensuring the sealing performance of the connection;
2. The installation of sensors requires a side installation form, with the cable entrance facing downwards. When wiring cable, it should be installed from bottom to top to avoid accidental water ingress at the cable entry end.
3. The height value H of the flange type installation base needs to be confirmed by shipyard;
4. Transmitter should be installed at indoor area.

⑦	Flange type installation base	Flange: GB/T2506-2005 DN25 PN10 Pipe: SCH40S S316L;	SS316L	-
⑥	Gasket	PTFE: DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑤	Bolts	M12-50	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others

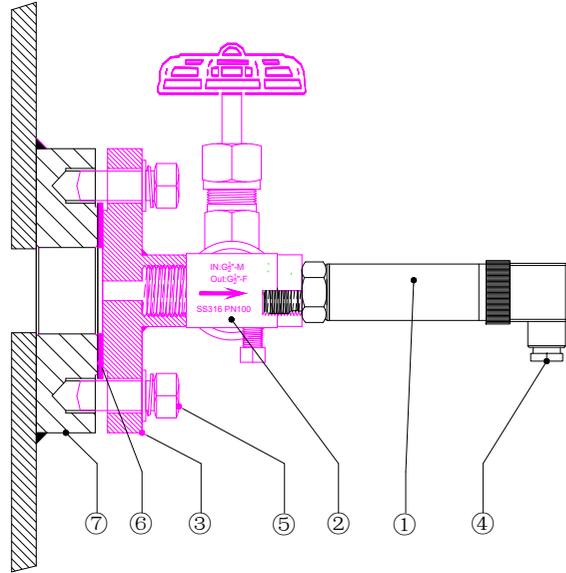
④	Cable Gland	PG1(5~10mm cable)	SS316L	
③	Flange with Female Thread	G1/2"(F): GB/T2506-2005 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	3 ways Test Cock valve	Inlet: G1/2"(M)-Outlet: G1/2"(F)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Pressure Transmitter	SMP131-TLD	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date



TYPE		TITLE Scope of Supply and Installation Diagram		
SMP131-TLD		DRAWING NO.: PT-SMP131-TLD-MT		

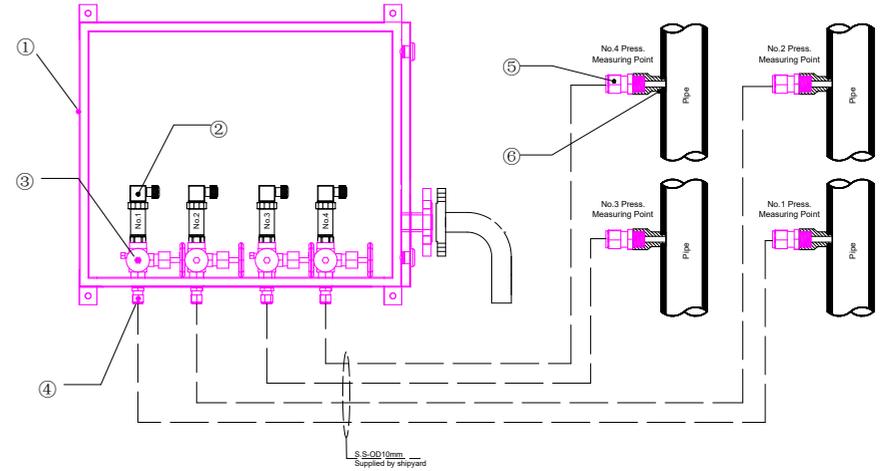
Form C



NOTE:

1. All components have PTFE gaskets at the docking connection points. Please tighten them during installation to ensure sufficient compression and contact of the gaskets, ensuring the sealing performance of the connection;
2. The installation of sensors requires a side installation form, with the cable entrance facing downwards. When wiring cable, it should be installed from bottom to top to avoid accidental water ingress at the cable entry end.
3. Transmitter should be installed at indoor area.

Form D



NOTE:

1. All components have PTFE gaskets at the docking connection points. Please tighten them during installation to ensure sufficient compression and contact of the gaskets, ensuring the sealing performance of the connection;
2. Measure pressure using a pressure pipe, with a requirement that the length of the pressure pipe should not exceed 30m;
3. The pressure is measured in the form of a pressure pipe, and the laying of the pressure pipe is required to meet the requirement that the pressure sensor end is higher than the measuring point sleeve. The laying of the pipe should be kept as smooth as possible, and should be led from low to high to the pressure transmitter, avoiding the uneven arrangement of high and low.

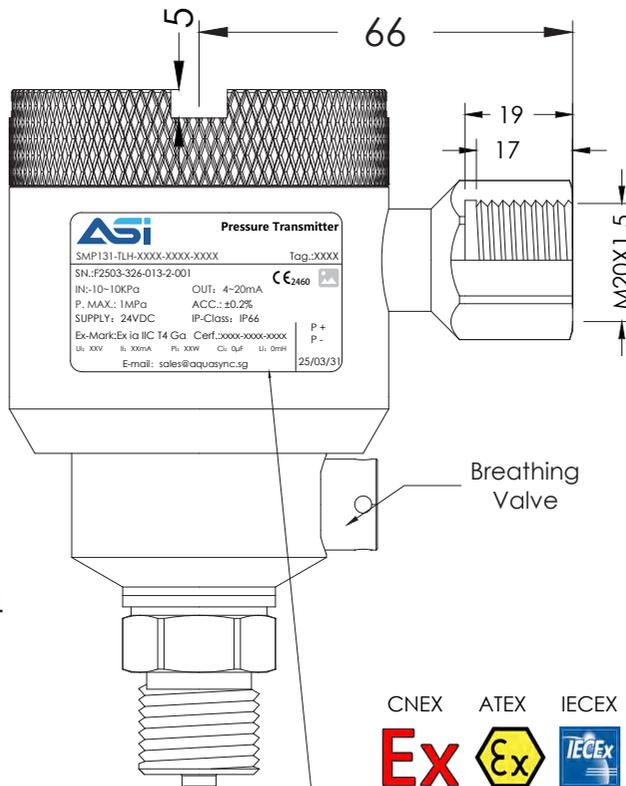
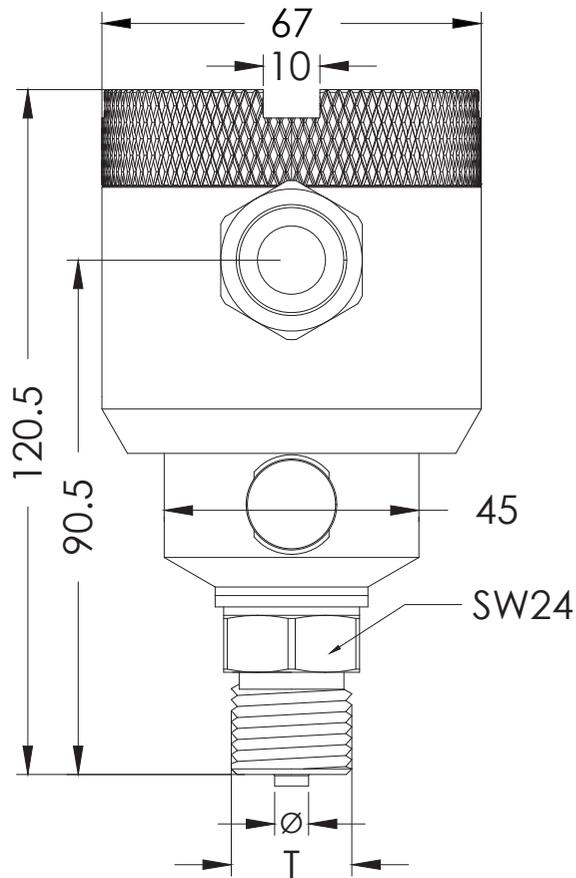
⑦	Welding Flange installation base	Flange: GB/T11693-2010 DN25 PN10	SS316L	-
⑥	Gasket	PTFE: DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑤	Bolts	M12-30	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
④	Cable Gland	PG11 (5~10mm cable)	-	-
③	Flange with Female Thread	G1/2"(F): GB/T2506-2005 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	3 ways Test Cock valve	Inlet: G1/2"(M)-Outlet: G1/2"(F)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Pressure Transmitter	SMP131-TLD	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

⑥	Threaded welding Joint	G1/2"-Female	SS316L	-
⑤	Straight card sleeve joint	G1/2"-Male;OD10mm	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
④	Straight card sleeve joint	G1/2"-Female;OD10mm	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
③	3 ways Test Cock valve	Inlet: G1/2"(M)-Outlet: G1/2"(F)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	Pressure Transmitter	SMP131-TLD	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Waterproof Installation Cabinet	L550xH450xD300mm; 20#-Steel/RAL7035;IP56;	20# Steel	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date

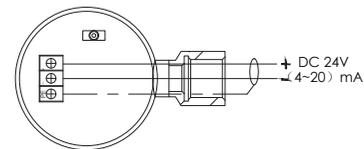


TYPE		TITLE Scope of Supply and Installation Diagram		
SMP131-TLD		DRAWING NO.: PT-SMP131-TLD-MT		



ASI Pressure Transmitter
 SMP131-TLH-XXXX-XXXX-XXXX Tag.:XXXX
 SN.:F2503-326-013-2-001 CE2460
 IN:-10~10KPa OUT: 4~20mA
 P. MAX.: 1MPa ACC.: ±0.2%
 SUPPLY: 24VDC IP-Class: IP66
 Ex-Mark:Ex ia IIC T4 Ga Cert.:xxxx-xxxx-xxxx P +
 Ui: XXV Ii: XXmA Pi: XXW Ci: 0µF Li: 0mH P -
 E-mail: sales@aquasync.sg 25/03/31

Electrical Wiring



Options

Process Connection(T)

- G1/2"-Male G1/2"-Female
- G1/4"-Male G1/4"-Female
- G3/8"-Male M20X1.5-Male

Press. Form

- Gauge Press. Absolute Press.

Diaphragm Material

- SS316L (Freshwater, gas, oil, etc)
- HC-276 (Acid, alkali, seawater, etc)
- Ceramic (Hydrogen, corrosion, wear-resistant)

Ex-Proof

- Exia IIC T4 Ga N/A
- CNEX ATEX IECEx

Measuring Range

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Technical Parameter

LRL/URL	(-0.1~4)Mpa
Pressure Overload	150%-Range
Measuring Accuracy	±0.2% F.S.
Output Signal	(4~20)mA; 2-wires
Ambient Temp.	(-40~85)°C
Power Supply	24VDC
Cable Entrance	M20X1.5(8~12mm)
Elec. Wiring	P+;P-;PE
Protection-Grade	IP66/67; EN 60529/IEC 529
Material	Body:SS316L

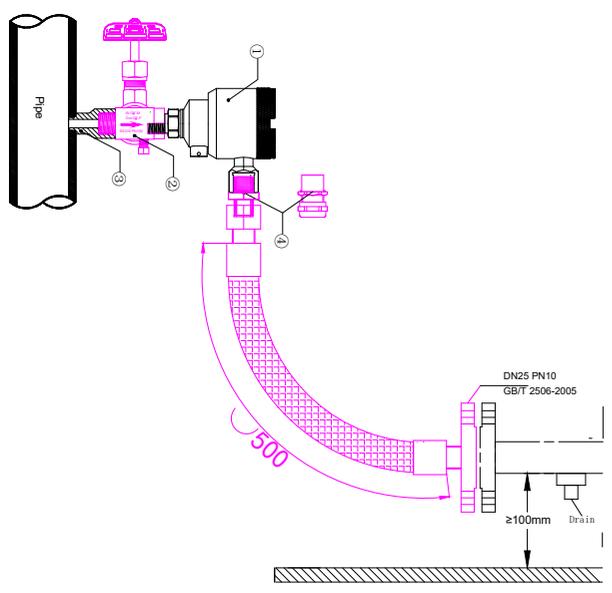
Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date



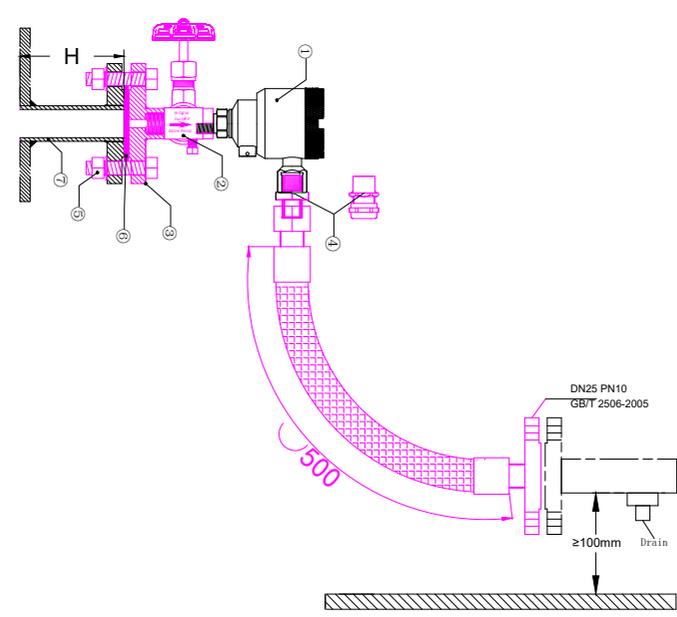
WEIGHT	TYPE	TITLE
1.2Kg	SMP131-TLH	Pressure Transmitter
		DRAWING NO.: PT-SMP131-TLH-DS-001

Form A



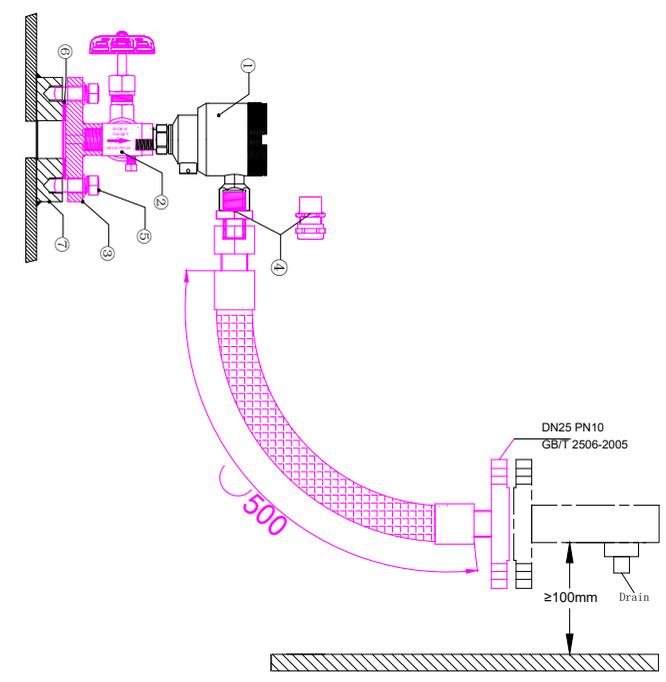
- NOTE:**
1. All components have PTFE gaskets at the docking connection points. Please tighten them during installation to ensure sufficient compression and contact of the gaskets, ensuring the sealing performance of the connection;
 2. The installation of sensors requires a side installation form, with the cable entrance facing downwards. When wiring cable, it should be installed from bottom to top to avoid accidental water ingress at the cable entry end.
 3. After the wiring of the pressure transmitter is completed, please check the sealing ring of the cover, confirm that there is no damage, and then tighten cover to prevent water damage;

Form B



- NOTE:**
1. All components have PTFE gaskets at the docking connection points. Please tighten them during installation to ensure sufficient compression and contact of the gaskets, ensuring the sealing performance of the connection;
 2. The height value H of the flange type installation base needs to be confirmed by shipyard;
 3. The installation of sensors requires a side installation form, with the cable entrance facing downwards. When wiring cable, it should be installed from bottom to top to avoid accidental water ingress at the cable entry end.
 4. After the wiring of the pressure transmitter is completed, please check the sealing ring of the cover, confirm that there is no damage, and then tighten cover to prevent water damage;

Form C



- NOTE:**
1. All components have PTFE gaskets at the docking connection points. Please tighten them during installation to ensure sufficient compression and contact of the gaskets, ensuring the sealing performance of the connection;
 2. The installation of sensors requires a side installation form, with the cable entrance facing downwards. When wiring cable, it should be installed from bottom to top to avoid accidental water ingress at the cable entry end.
 3. After the wiring of the pressure transmitter is completed, please check the sealing ring of the cover, confirm that there is no damage, and then tighten cover to prevent water damage;

⑦	Flange type installation base	Flange: GB/T2506-2005 DN25 PN10 Pipe: SCH40S S316L;	SS316L	-
⑧	Gasket	PTFE: DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑨	Bolts	M12-50	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
④	<input type="checkbox"/> Cable Gland	M20X1.5 (6~10mm cable)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
	<input type="checkbox"/> Metal threading hose for cable	GB/T2506-2005 DN25 PN10 M20X1.5 (6~10mm cable)	SS316L	
③	Flange with Female Thread	G1/2"(F): GB/T2506-2005 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	3 ways Test Cock valve	Inlet: G1/2"(M)-Outlet: G1/2"(F)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Pressure Transmitter	SMP131-TLH	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

⑦	Welding Flange installation base	Flange: GB/T11693-2010 DN25 PN10	SS316L	-
⑧	Gasket	PTFE: DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑨	Bolts	M12-30	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
④	<input type="checkbox"/> Cable Gland	M20X1.5 (6~10mm cable)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
	<input type="checkbox"/> Metal threading hose for cable	GB/T2506-2005 DN25 PN10 M20X1.5 (6~10mm cable)	SS316L	
③	Flange with Female Thread	G1/2"(F): GB/T2506-2005 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	3 ways Test Cock valve	Inlet: G1/2"(M)-Outlet: G1/2"(F)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Pressure Transmitter	SMP131-TLH	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

④	<input type="checkbox"/> Cable Gland	M20X1.5 (6~10mm cable)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
	<input type="checkbox"/> Metal threading hose for cable	GB/T2506-2005 DN25 PN10 M20X1.5 (6~10mm cable)	SS316L	
③	Threaded welding Joint	G1/2"(F)	SS316L	-
②	3 ways Test Cock valve	Inlet: G1/2"(M)-Outlet: G1/2"(F)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Pressure Transmitter	SMP131-TLH	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date



TYPE	SMP131-TLH
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TITLE	Scope of Supply and Installation Diagram
DRAWING NO.:	PT-SMP131-TLD-MT

Pressure Transmitter

SMP131-TLN-XXXX-XXXX-XXXX Tag.:XXXX

SN.:F2503-326-013-2-001 CE 2460

IN:-10~10KPa OUT: 4~20mA P.

MAX.: 1MPa ACC.: ±0.2%

SUPPLY: 24VDC IP-Class: IP68

Ex-Mark:Ex ia IIC T4 Ga Cerf.:xxxx-xxxx-xxxx

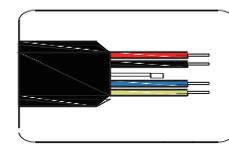
Ui: XXV Ii: XXmA Pi: XXW Ci: 0.01µF Li: 3.1mH

E-mail: sales@aquasync.sg 25/03/31

Red +
Black -



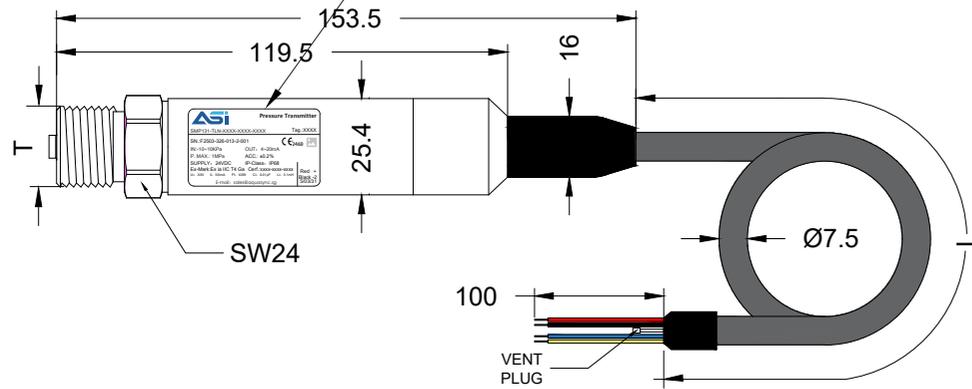
Electrical Wiring



Mark	2-wires	
Red	+	
Black	-	
Blue	/	
Yellow	PE	

Options

- Cable Length(L) m
- Process Connection(T)
 - G1/2"-Male G1/2"-Female
 - G1/4"-Male G1/4"-Female
 - G3/8"-Male M20X1.5-Male
- Press. Form
 - Gauge Press. Absolute Press.
- Diaphragm Material
 - SS316L (Freshwater, gas, oil, etc)
 - HC-276 (Acid, alkali, seawater, etc)
 - Ceramic (Hydrogen, corrosion, wear-resistant)
- Ex-Proof
 - Exia IIC T4Ga N/A
 - CNEX ATEX IECEx
- Measuring Range



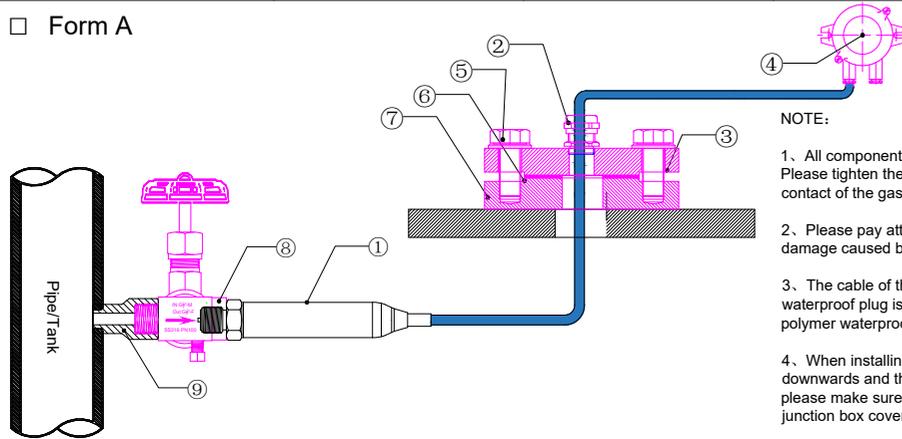
Technical Parameter

LRL/URL	(-0.1~4)Mpa
Pressure Overload	150%-Range
Measuring Accuracy	±0.2% F.S.
Output Signal	(4~20)mA; 2-wires
Ambient Temp.	(-40~85)°C
Power Supply	24VDC
Cable Entrance	Ø7.5mm; TPU Cable
Elec. Wiring	Red:+,Black:-,Yellow:PE
Protection-Grade	IP68
Material	Body:SS316L

Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

V1.0	Luna	Rex	Bob	2025/8/12	AQUASYNC INNOVATION <small>YOUR SHIP'S GUARDIAN IN THE DIGITAL AGE</small>	TYPE		TITLE	Pressure Transmitter
Ver.	Design	Check	Appr.	Date		SMP131-TLN	DRAWING NO.:	PT-SMP131-TLN-DS-001	

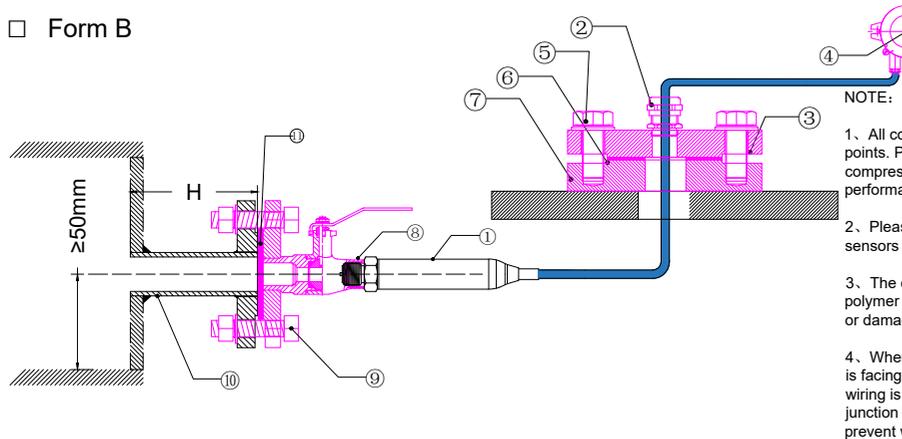
Form A



- NOTE:**
1. All components have PTFE gaskets at the docking connection points. Please tighten them during installation to ensure sufficient compression and contact of the gaskets, ensuring the sealing performance of the connection;
 2. Please pay attention to protection when laying the cables of sensors to avoid damage caused by friction and bending;
 3. The cable of the sensor is a model with a breathable tube, and a polymer waterproof plug is installed at the end. Please do not remove or damage the polymer waterproof plug during wiring;
 4. When installing the junction box, please ensure that the wiring port is facing downwards and the cable is led into the junction box. After wiring is completed, please make sure that the cable gland of the junction box is fully locked and the junction box cover is fully closed to prevent water from entering from outside;

⑨	Threaded welding Joint	G1/2"(F)	SS316L	-
⑧	3 ways Test Cock valve	Inlet: G1/2"(M)-Outlet: G1/2"(F)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑦	Welding Flange installation base	Flange: GB/T11693-2010 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑥	Gasket	PTFE: DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑤	Bolts	M20X1.5 (6-10mm cable)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
④	<input type="checkbox"/> Copper Explosion-proof junction box	DCJXH202-2; M24; IP56	Copper	<input type="checkbox"/> ASI <input type="checkbox"/> Others
	<input type="checkbox"/> Copper waterproof junction box	JXH202; M24; IP56	Copper	<input type="checkbox"/> ASI <input type="checkbox"/> Others
③	Flange with Female Thread	M20X1.5; GB/T2506-2005 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	Cable Gland	M20X1.5; IP56	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Pressure Transmitter	SMP131-TLN	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

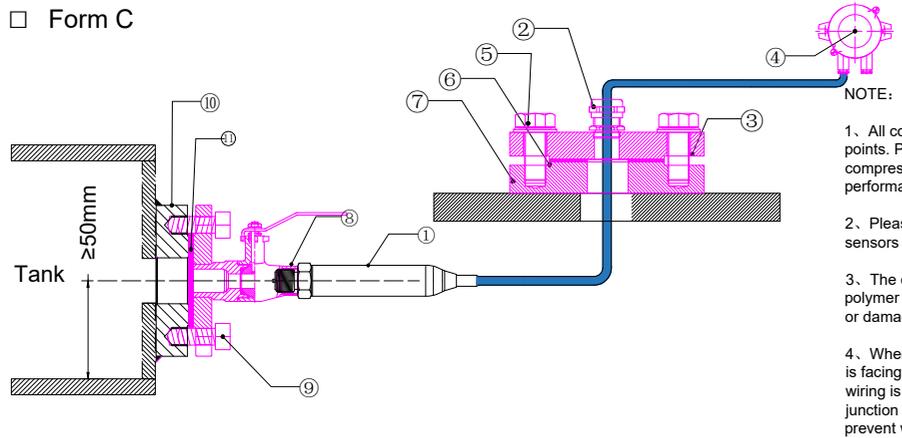
Form B



- NOTE:**
1. All components have PTFE gaskets at the docking connection points. Please tighten them during installation to ensure sufficient compression and contact of the gaskets, ensuring the sealing performance of the connection;
 2. Please pay attention to protection when laying the cables of sensors to avoid damage caused by friction and bending;
 3. The cable of the sensor is a model with a breathable tube, and a polymer waterproof plug is installed at the end. Please do not remove or damage the polymer waterproof plug during wiring;
 4. When installing the junction box, please ensure that the wiring port is facing downwards and the cable is led into the junction box. After wiring is completed, please make sure that the cable gland of the junction box is fully locked and the junction box cover is fully closed to prevent water from entering from outside;

⑩	Gasket	PTFE: DN25 PN10	PEFE	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑩	Flange type installation base	Flange: GB/T2506-2005 DN25 PN10 Pipe: SCH40S S316L;	SS316L	-
⑨	Threaded welding Joint	G1/2"(F)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑧	Flange Ball Valve	GB/T2506-2005 10025RF With G1/2" Female Thread	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑦	Welding Flange installation base	Flange: GB/T11693-2010 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑥	Gasket	PTFE: DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑤	Bolts	M12-50	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
④	<input type="checkbox"/> Copper Explosion-proof junction box	DCJXH202-2; M24; IP56	Copper	<input type="checkbox"/> ASI <input type="checkbox"/> Others
	<input type="checkbox"/> Copper waterproof junction box	JXH202; M24; IP56	Copper	<input type="checkbox"/> ASI <input type="checkbox"/> Others
③	Flange with Female Thread	M20X1.5; GB/T2506-2005 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	Cable Gland	M20X1.5; IP56	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Pressure Transmitter	SMP131-TLN	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

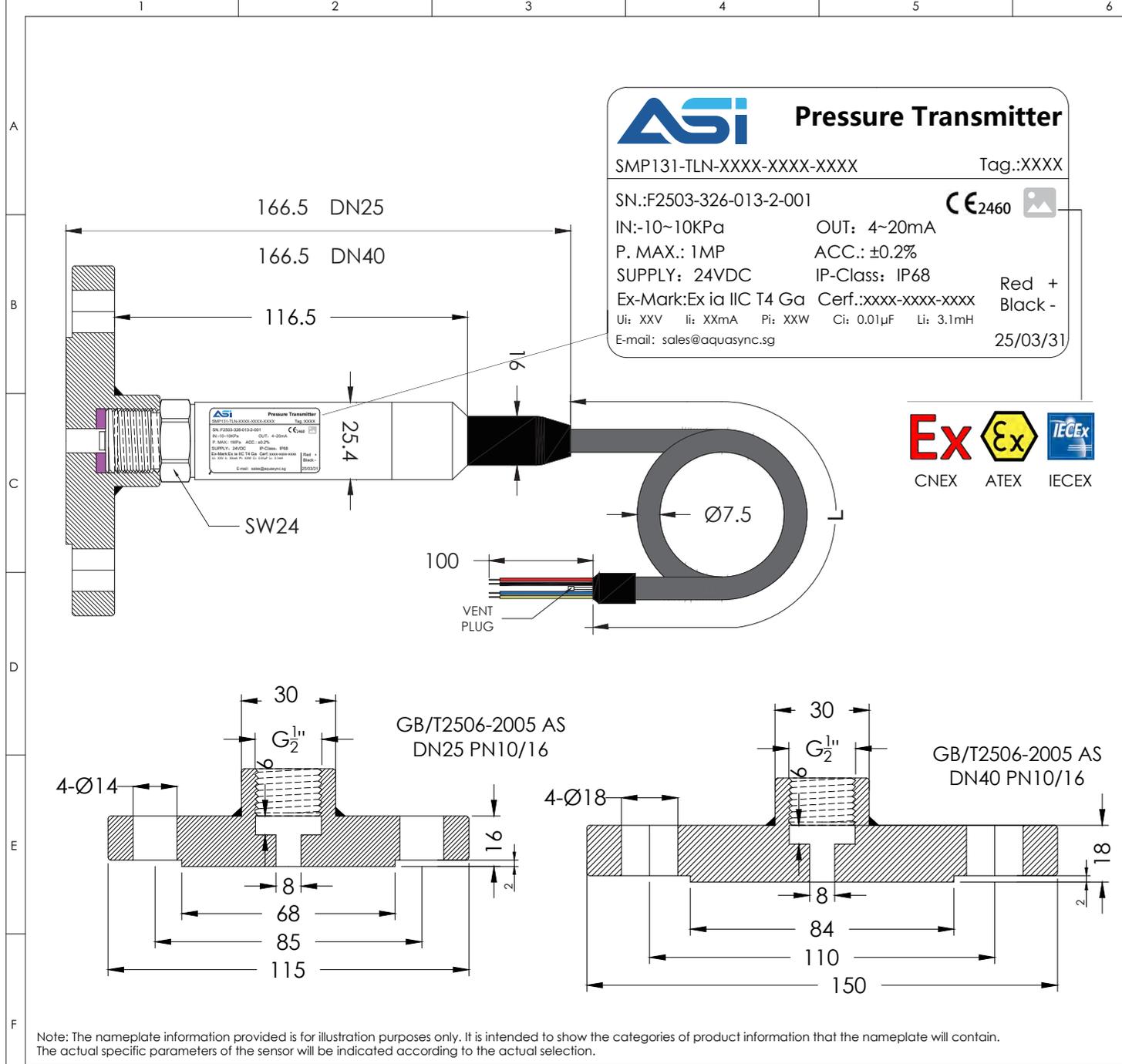
Form C



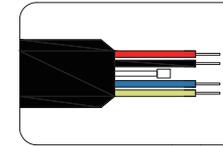
- NOTE:**
1. All components have PTFE gaskets at the docking connection points. Please tighten them during installation to ensure sufficient compression and contact of the gaskets, ensuring the sealing performance of the connection;
 2. Please pay attention to protection when laying the cables of sensors to avoid damage caused by friction and bending;
 3. The cable of the sensor is a model with a breathable tube, and a polymer waterproof plug is installed at the end. Please do not remove or damage the polymer waterproof plug during wiring;
 4. When installing the junction box, please ensure that the wiring port is facing downwards and the cable is led into the junction box. After wiring is completed, please make sure that the cable gland of the junction box is fully locked and the junction box cover is fully closed to prevent water from entering from outside;

⑩	Gasket	PTFE: DN25 PN10	PEFE	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑩	Welding Flange installation base	Flange: GB/T11693-2010 DN25 PN10	SS316L	-
⑨	Threaded welding Joint	G1/2"(F)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑧	Flange Ball Valve	GB/T2506-2005 10025RF With G1/2" Female Thread	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑦	Welding Flange installation base	Flange: GB/T11693-2010 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑥	Gasket	PTFE: DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑤	Bolts	M12-30	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
④	<input type="checkbox"/> Copper Explosion-proof junction box	DCJXH202-2; M24; IP56	Copper	<input type="checkbox"/> ASI <input type="checkbox"/> Others
	<input type="checkbox"/> Copper waterproof junction box	JXH202; M24; IP56	Copper	<input type="checkbox"/> ASI <input type="checkbox"/> Others
③	Flange with Female Thread	M20X1.5; GB/T2506-2005 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	Cable Gland	M20X1.5; IP56	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Pressure Transmitter	SMP131-TLN	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

V1.0	Luna	Rex	Bob	2025/8/12		TYPE SMP131-TLN	TITLE Scope of Supply and Installation Diagram
Ver.	Design	Check	Appr.	Date			



Electrical Wiring



Mark	2-wires	
Red	+	
Black	-	
Blue	/	
Yellow	PE	

Options

- Cable Length(L) m
- Process Connection(T)
 - G1/2"-Male+DN25 G1/2"-Male+DN40
- Press. Form
 - Gauge Press. Absolute Press.
- Diaphragm Material
 - SS316L (Freshwater, gas, oil, etc)
 - HC-276 (Acid, alkali, seawater, etc)
 - Ceramic (Hydrogen, corrosion, wear-resistant)
- Ex-Proof
 - ExiaIICT4Ga N/A
 - CNEX ATEX IECEx
- Measuring Range
~

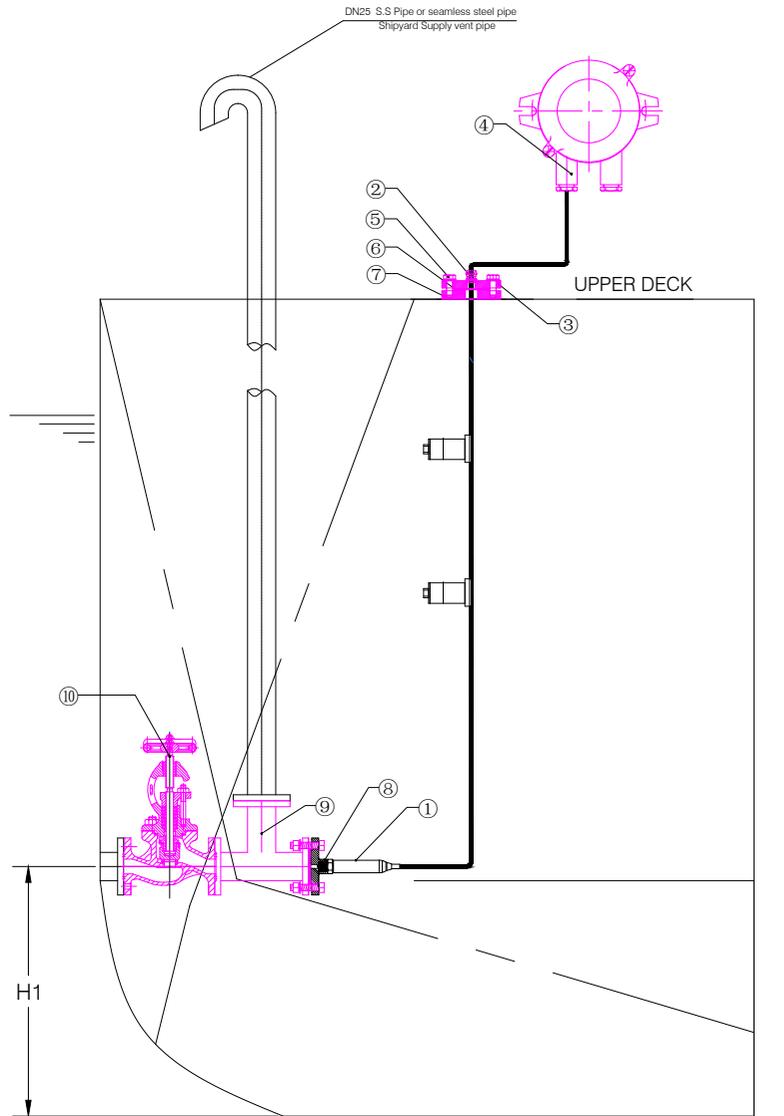
Technical Parameter

LRL/URL	(-0.1~4)Mpa
Pressure Overload	150%-Range
Measuring Accuracy	±0.2% F.S.
Output Signal	(4~20)mA; 2-wires
Ambient Temp.	(-40~85)°C
Power Supply	24VDC
Cable Entrance	Ø7.5mm; TPU Cable
Elec. Wiring	Red: +; Black: -; Yellow: PE
Protection-Grade	IP68
Material	Body:SS316L

Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

V1.0	Luna	Rex	Bob	2025/8/12		TYPE	TITLE Pressure Transmitter
Ver.	Design	Check	Appr.	Date		SMP131-TLN	DRAWING NO.: PT-SMP131-TLN-DS-002

Mid(P/S) Draft Level measuring



NOTE:

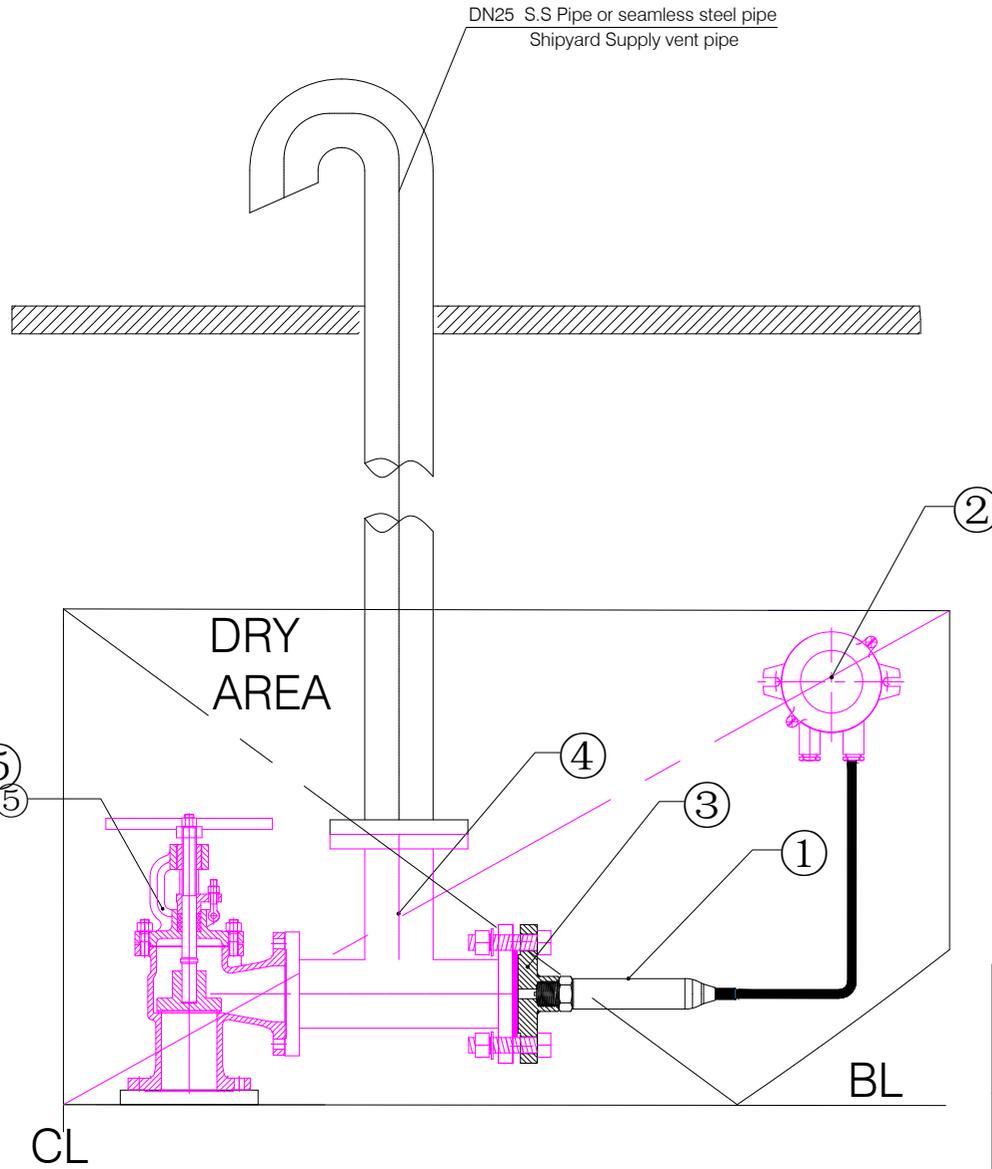
1. All components have PTFE gaskets at the docking connection points. Please tighten them during installation to ensure sufficient compression and contact of the gaskets, ensuring the sealing performance of the connection;
2. Please pay attention to protection when laying the cables of sensors to avoid damage caused by friction and bending;
3. The cable of the sensor is a model with a breathable tube, and a polymer waterproof plug is installed at the end. Please do not remove or damage the polymer waterproof plug during wiring;
4. When installing the junction box, please ensure that the wiring port is facing downwards and the cable is led into the junction box. After wiring is completed, please make sure that the cable gland of the junction box is fully locked and the junction box cover is fully closed to prevent water from entering from outside;
5. The pipe clamps used to fix the cables during the cable laying process are provided by the shipyard. When fixing the cables, attention should be paid to the protection of the cables to avoid damage to the cable sheath caused by the pipe clamps;
6. Please install the junction box above the Max. Draft line.

⑩	Flange globe valve (straight type)	GB/T2506-2005 DN25 PN10	Bronze	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑨	3 ways Connection pipe	GB/T2506-2005 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑧	Flange with Female Thread	G1/2"(F); GB/T2506-2005 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑦	Welding Flange installation base	Flange: GB/T11693-2010 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑥	Gasket	PTFE; DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑤	Bolts	M12-30	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
④	<input type="checkbox"/> Copper Explosion-proof junction box	DCJXH202-2; M24; IP56	Copper	<input type="checkbox"/> ASI <input type="checkbox"/> Others
	<input type="checkbox"/> Copper waterproof junction box	JXH202; M24; IP56	Copper	
③	Flange with Female Thread	M20X1.5; GB/T2506-2005 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	Cable Gland	M20X1.5; IP56	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Pressure Transmitter	SMP131-TLN	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date

TYPE		TITLE Scope of Supply and Installation Diagram-Form D1		
SMP131-TLN		DRAWING NO.: PT-SMP131-TLN-MT-D1		

Fore&Aft Draft Level measuring



NOTE:

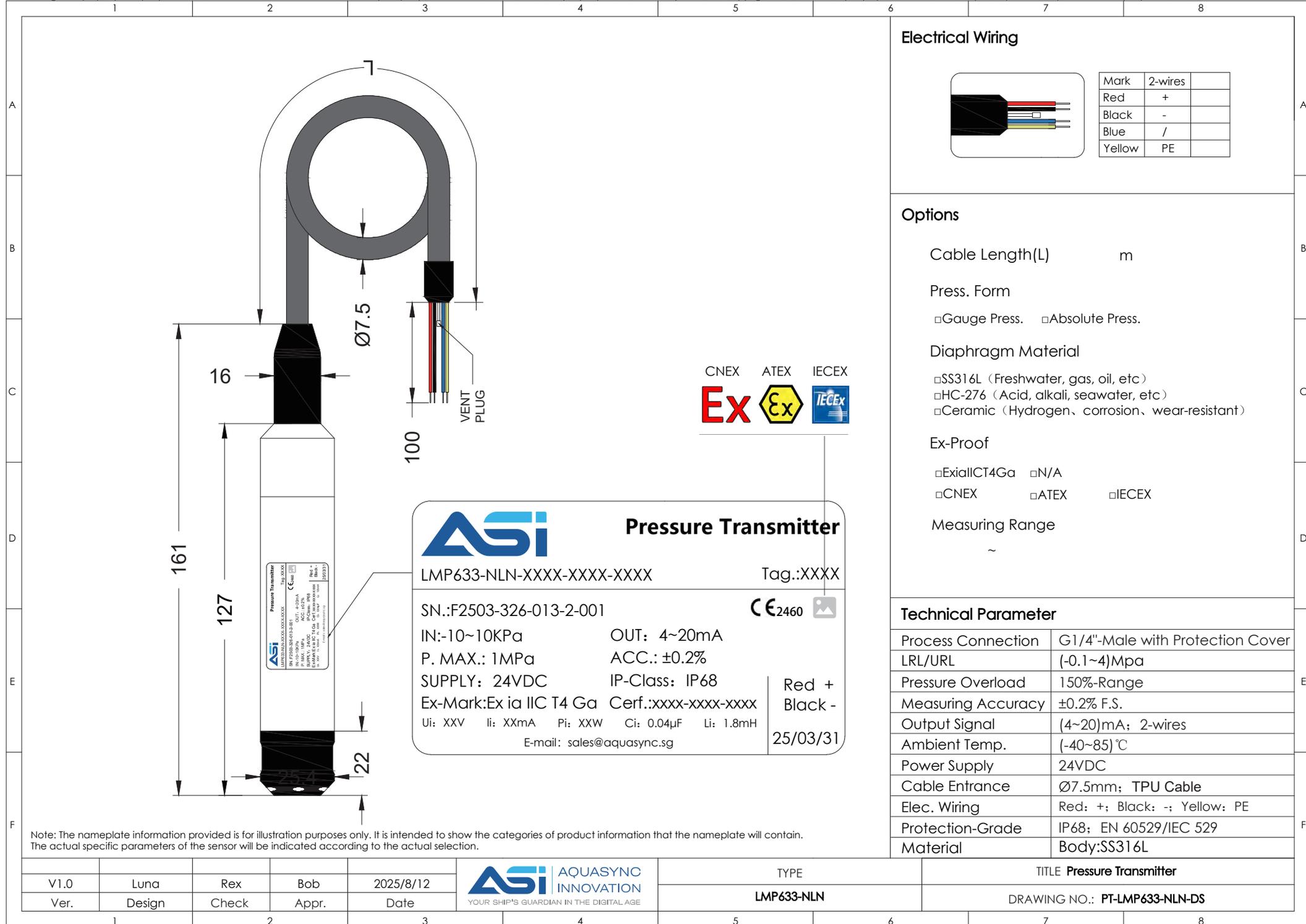
- 1、 All components have PTFE gaskets at the docking connection points. Please tighten them during installation to ensure sufficient compression and contact of the gaskets, ensuring the sealing performance of the connection;
- 2、 Please pay attention to protection when laying the cables of sensors to avoid damage caused by friction and bending;
- 3、 The cable of the sensor is a model with a breathable tube, and a polymer waterproof plug is installed at the end. Please do not remove or damage the polymer waterproof plug during wiring;
- 4、 When installing the junction box, please ensure that the wiring port is facing downwards and the cable is led into the junction box. After wiring is completed, please make sure that the cable gland of the junction box is fully locked and the junction box cover is fully closed to prevent water from entering from outside;
- 5、 The pipe clamps used to fix the cables during the cable laying process are provided by the shipyard. When fixing the cables, attention should be paid to the protection of the cables to avoid damage to the cable sheath caused by the pipe clamps;
- 6、 Please install the junction box above the Max. Draft line.

⑤	Flange globe valve (angle type)	GB/T2506-2005 DN25 PN10	Bronze	<input type="checkbox"/> ASI <input type="checkbox"/> Others
④	3 ways Connection pipe	GB/T2506-2005 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
③	Flange with Female Thread	G1/2"(F); GB/T2506-2005 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	<input type="checkbox"/> Copper Explosion-proof junction box	DCJXH202-2; M24; IP56	Copper	<input type="checkbox"/> ASI <input type="checkbox"/> Others
	<input type="checkbox"/> Copper waterproof junction box	JXH202; M24; IP56	Copper	
①	Pressure Transmitter	SMP131-TLN	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

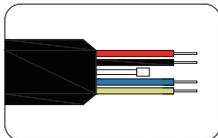
V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date



TYPE		TITLE	
SMP131-TLN		Scope of Supply and Installation Diagram-Form D2	
		DRAWING NO.: PT-SMP131-TLN-MT-D2	



Electrical Wiring



Mark	2-wires	
Red	+	
Black	-	
Blue	/	
Yellow	PE	

Options

Cable Length(L) m

Press. Form
Gauge Press. Absolute Press.

Diaphragm Material
SS316L (Freshwater, gas, oil, etc)
HC-276 (Acid, alkali, seawater, etc)
Ceramic (Hydrogen, corrosion, wear-resistant)

Ex-Proof
ExIICT4Ga N/A
CNEX ATEX IECEX

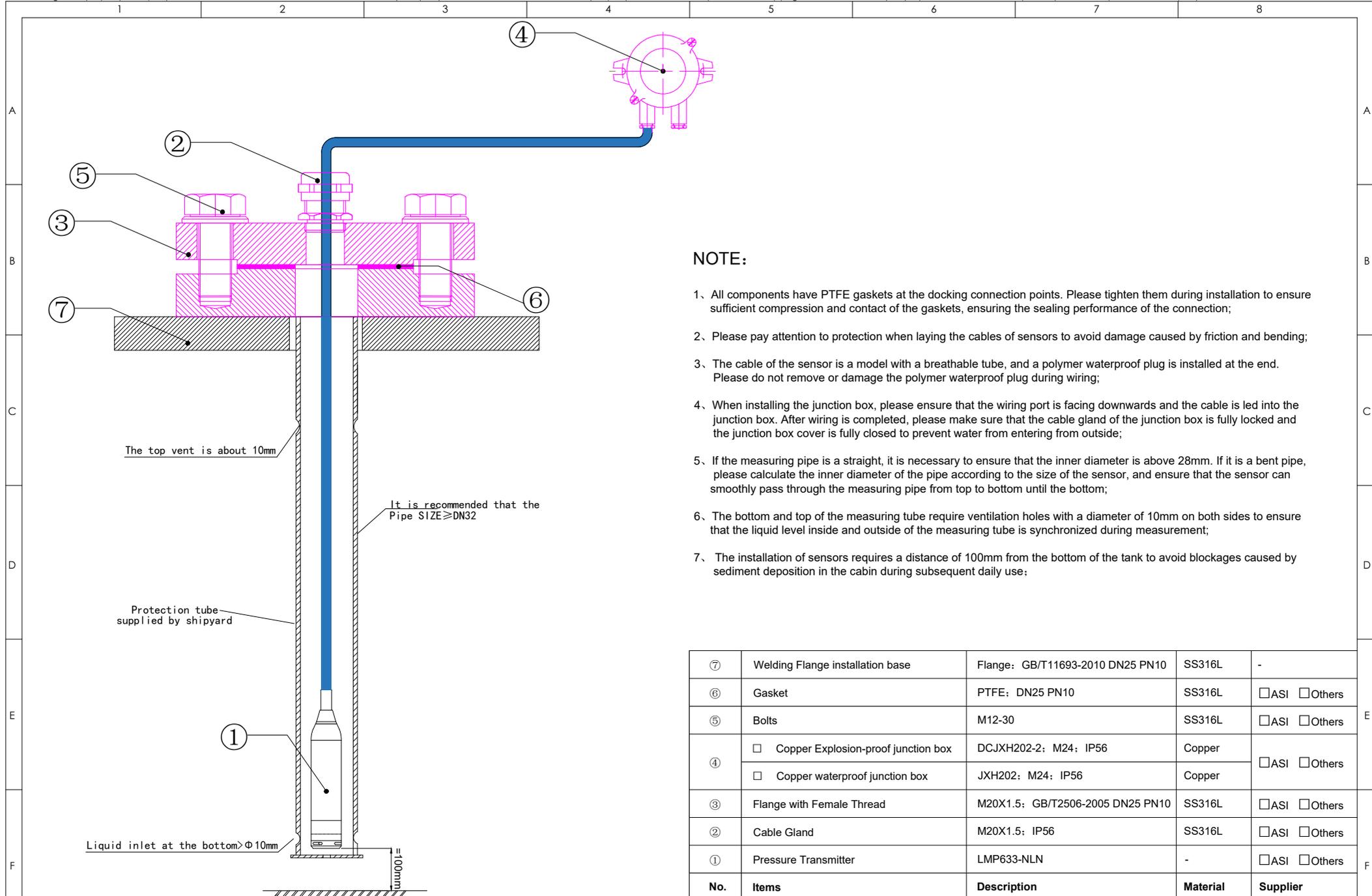
Measuring Range
 ~

Technical Parameter

Process Connection	G1/4"-Male with Protection Cover
LRL/URL	(-0.1~4)Mpa
Pressure Overload	150%-Range
Measuring Accuracy	±0.2% F.S.
Output Signal	(4~20)mA; 2-wires
Ambient Temp.	(-40~85)°C
Power Supply	24VDC
Cable Entrance	Ø7.5mm; TPU Cable
Elec. Wiring	Red: +; Black: -; Yellow: PE
Protection-Grade	IP68; EN 60529/IEC 529
Material	Body:SS316L

Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

V1.0	Luna	Rex	Bob	2025/8/12	 YOUR SHIP'S GUARDIAN IN THE DIGITAL AGE	TYPE	TITLE Pressure Transmitter
Ver.	Design	Check	Appr.	Date		LMP633-NLN	DRAWING NO.: PT-LMP633-NLN-DS
1	2	3	4	5	6	7	8



NOTE:

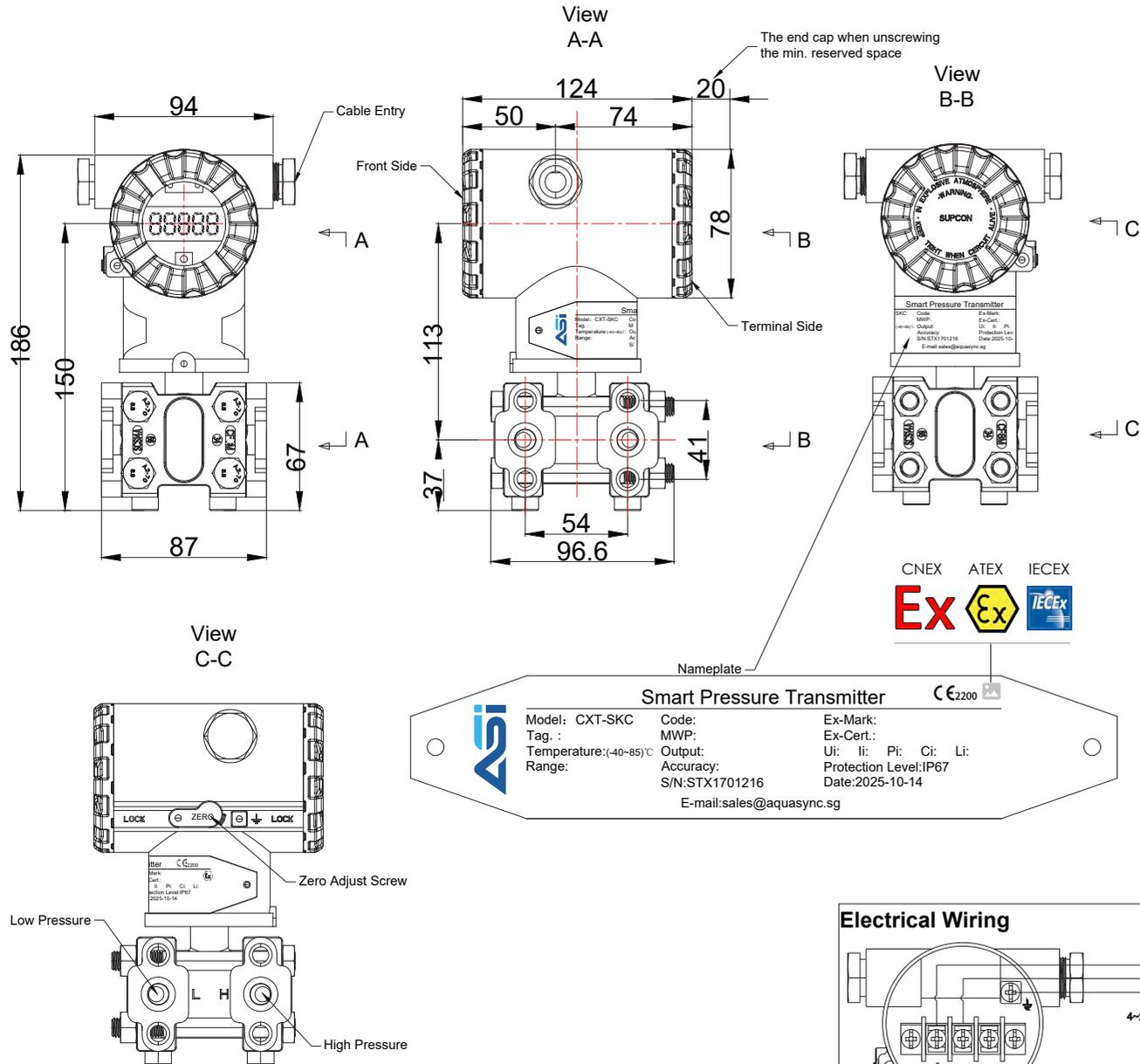
1. All components have PTFE gaskets at the docking connection points. Please tighten them during installation to ensure sufficient compression and contact of the gaskets, ensuring the sealing performance of the connection;
2. Please pay attention to protection when laying the cables of sensors to avoid damage caused by friction and bending;
3. The cable of the sensor is a model with a breathable tube, and a polymer waterproof plug is installed at the end. Please do not remove or damage the polymer waterproof plug during wiring;
4. When installing the junction box, please ensure that the wiring port is facing downwards and the cable is led into the junction box. After wiring is completed, please make sure that the cable gland of the junction box is fully locked and the junction box cover is fully closed to prevent water from entering from outside;
5. If the measuring pipe is a straight, it is necessary to ensure that the inner diameter is above 28mm. If it is a bent pipe, please calculate the inner diameter of the pipe according to the size of the sensor, and ensure that the sensor can smoothly pass through the measuring pipe from top to bottom until the bottom;
6. The bottom and top of the measuring tube require ventilation holes with a diameter of 10mm on both sides to ensure that the liquid level inside and outside of the measuring tube is synchronized during measurement;
7. The installation of sensors requires a distance of 100mm from the bottom of the tank to avoid blockages caused by sediment deposition in the cabin during subsequent daily use;

⑦	Welding Flange installation base	Flange: GB/T11693-2010 DN25 PN10	SS316L	-
⑥	Gasket	PTFE: DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
⑤	Bolts	M12-30	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
④	<input type="checkbox"/> Copper Explosion-proof junction box	DCJXH202-2; M24; IP56	Copper	<input type="checkbox"/> ASI <input type="checkbox"/> Others
	<input type="checkbox"/> Copper waterproof junction box	JXH202; M24; IP56	Copper	
③	Flange with Female Thread	M20X1.5; GB/T2506-2005 DN25 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	Cable Gland	M20X1.5; IP56	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Pressure Transmitter	LMP633-NLN	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date



TYPE		TITLE Scope of Supply and Installation Diagram		
LMP633-NLN		DRAWING NO.: PT-LMP633-NLN-MT		



Options

Housing Type

- Aluminum alloy, electrical inlet M20*1.5(F)
- Aluminum alloy, electrical inlet 1/2-14NPT(F)
- Stainless steel, electrical inlet M20*1.5(F)
- Stainless steel, electrical inlet 1/2-14NPT(F)

LCD Display

- None LCD LCD With Backlight

Ex-Proof

- ExIICT4~6Ga ExdIICT4~6Gb N/A
- CNEX ATEX IECEx

Process Connection

- 1/4-18NPT (Female) 1/2-14NPT(Female)

Wetted/Diaphragm Material

- SS316/SS316L SS316/HC-276
- SS316/SS316L+Au Coating SS316/Tantalum
- HC-276/Tantalum Customization

Filled Fluid

- Silicone Oil Fluorinated oil

Sensor O-ring

- FKM (High hydrostatic pressure)
- PTFE (High hydrostatic pressure)

Cable Entrance

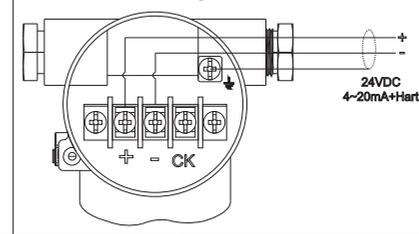
- Water-proof Metal cable gland
- Explosion-Proof Metal cable gland

Range ~

Technical Parameter

Model	CXT-SKC
Power Supply	24VDC
Output Signal	4~20mA+HART
LRL/URL	(-0.1~14)Mpa
Accuracy	±0.05%
Protection-Grade	IP67
Ambient Temp.	(-40~85) °C

Electrical Wiring



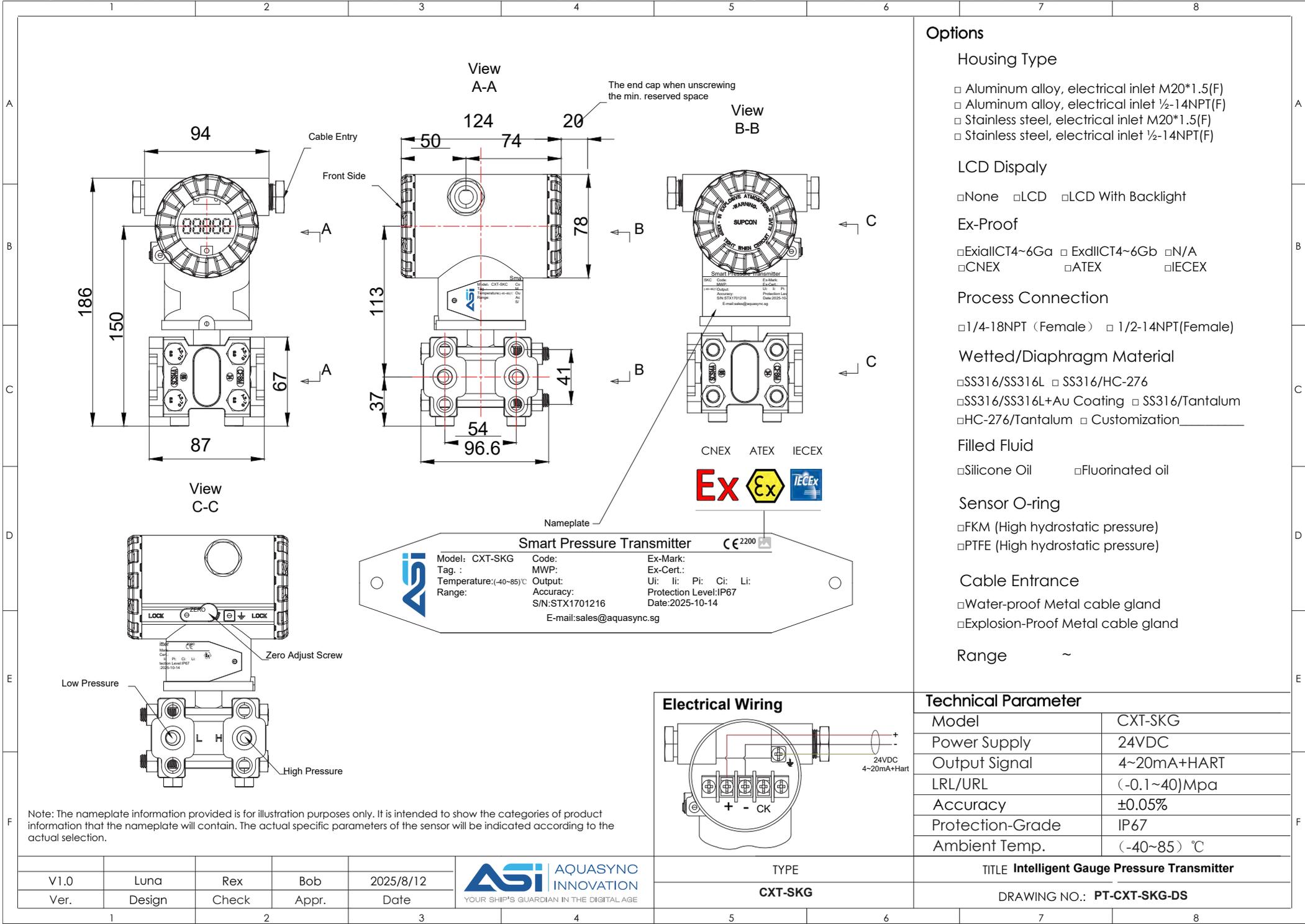
Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date



TYPE
CXT-SKC

TITLE Intelligent Differential Pressure Transmitter
DRAWING NO.: PT-CXT-SKC-DS

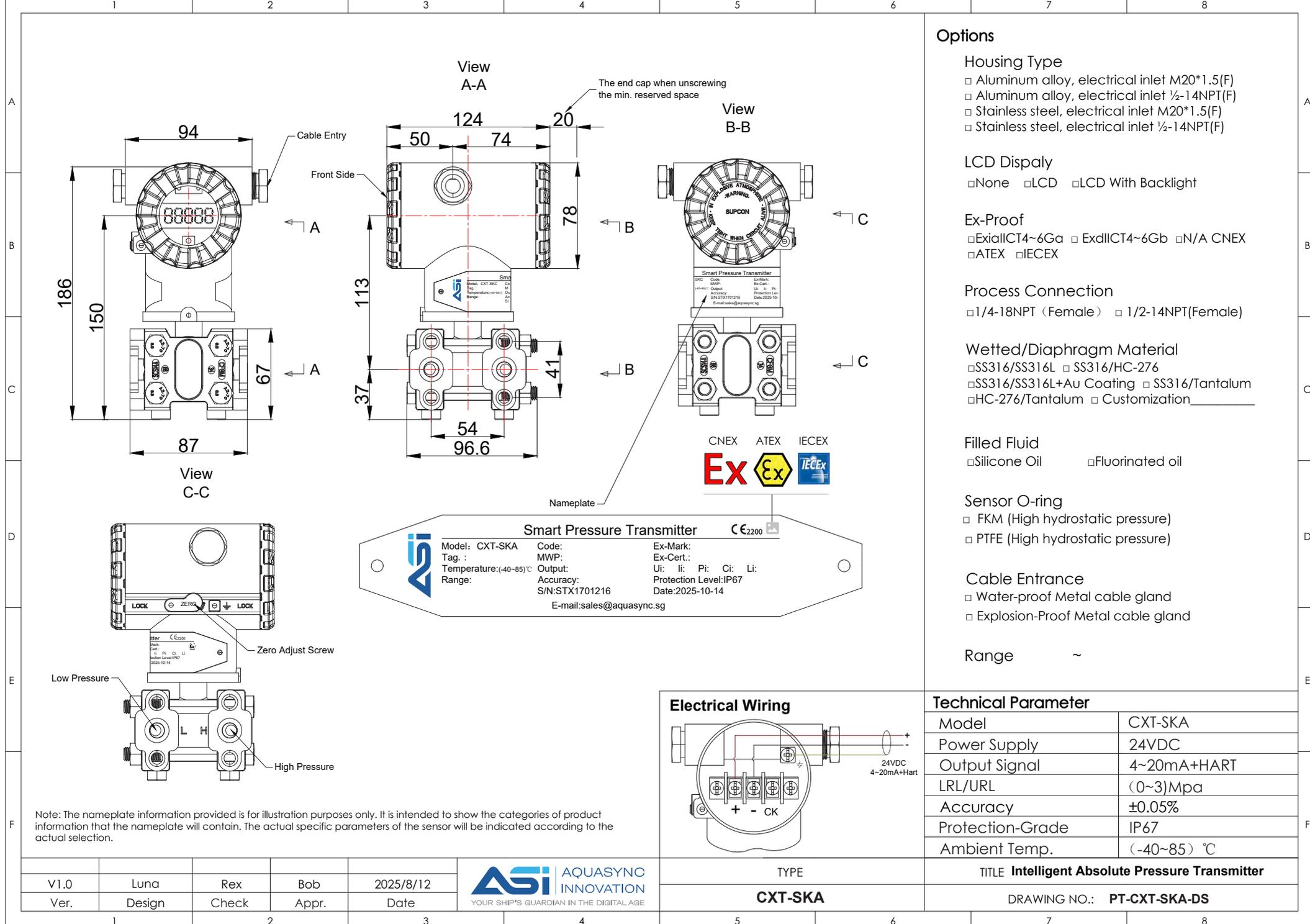


V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date

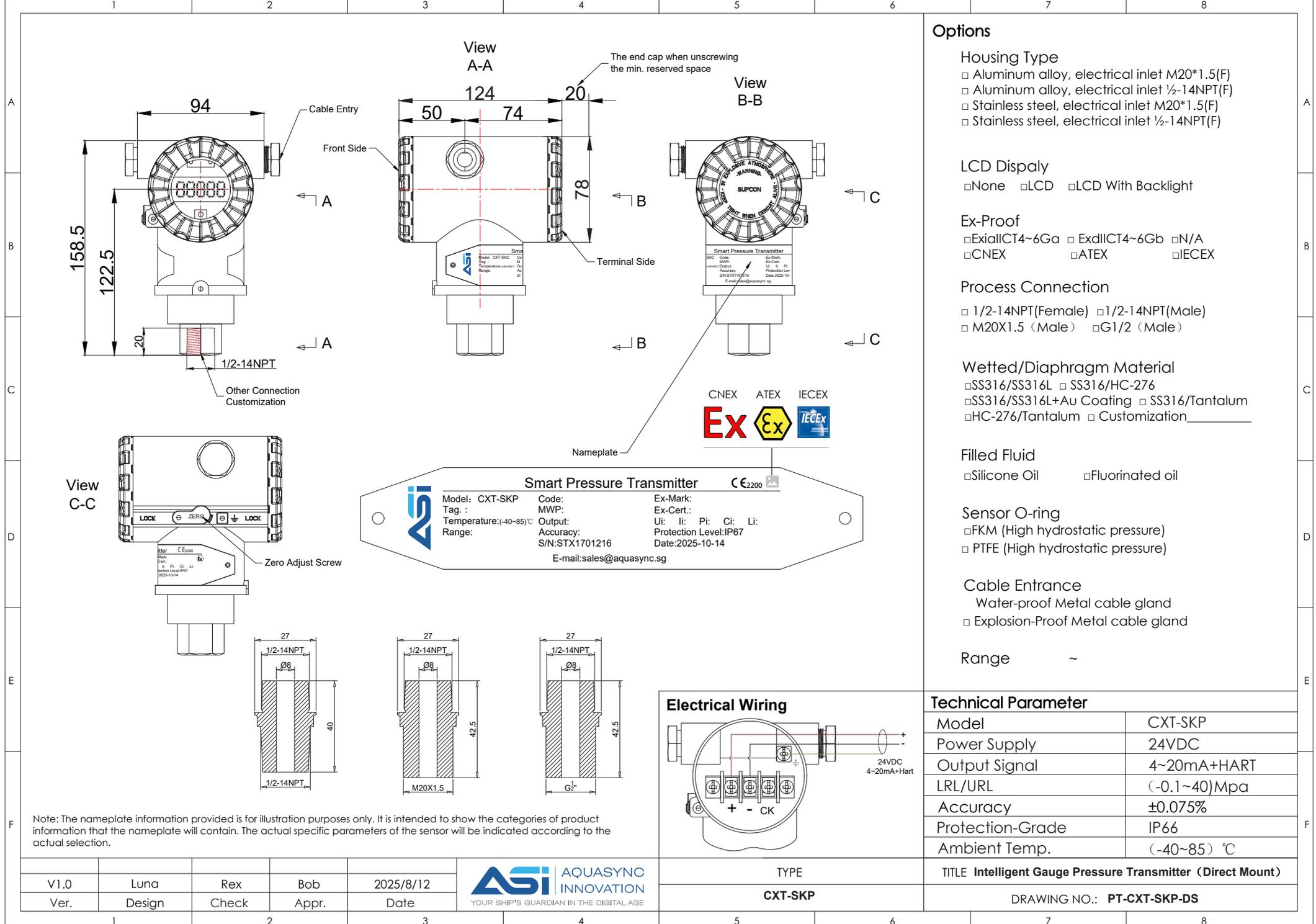


TYPE
CXT-SKG

TITLE **Intelligent Gauge Pressure Transmitter**
 DRAWING NO.: **PT-CXT-SKG-DS**

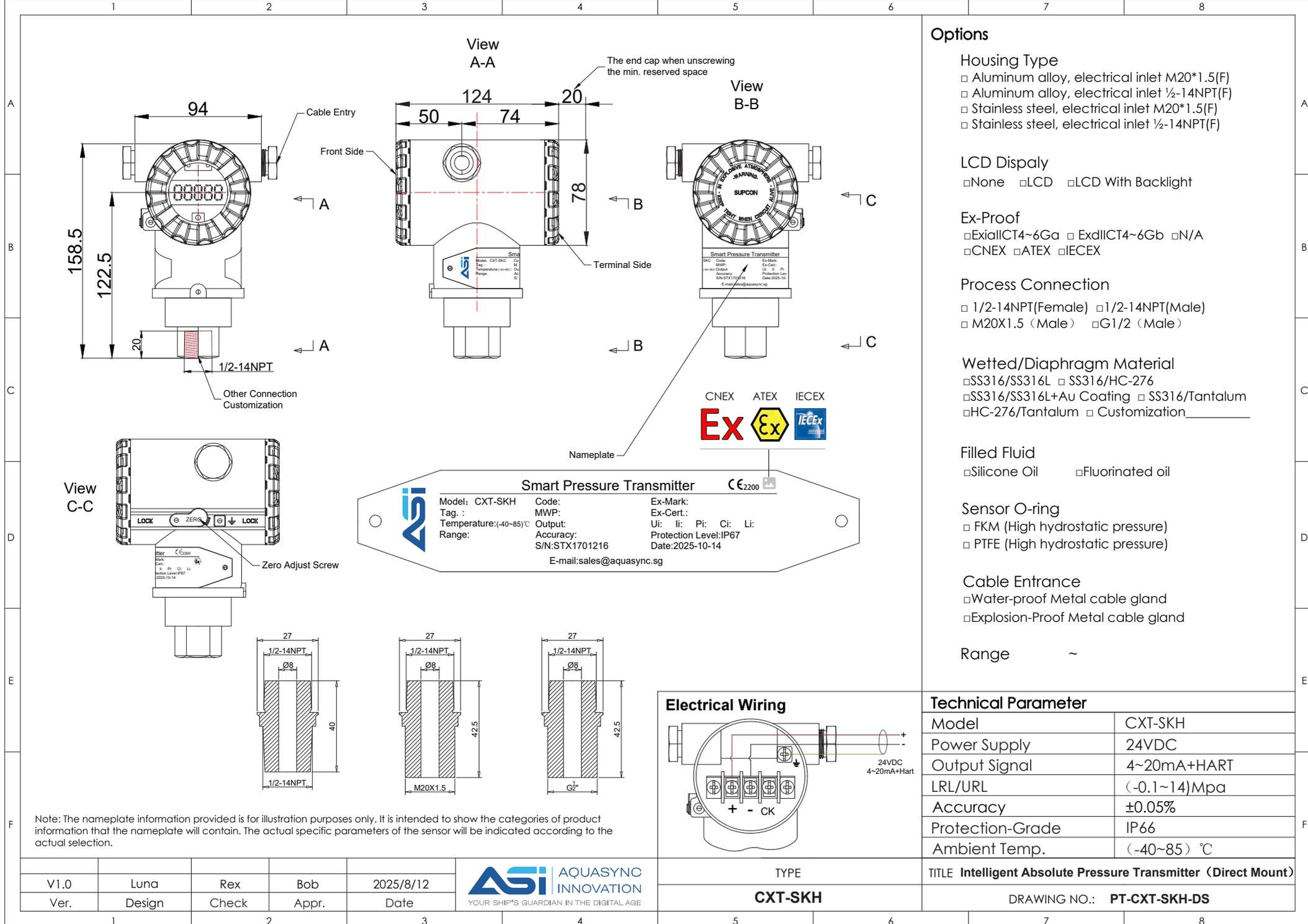


Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.



V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date





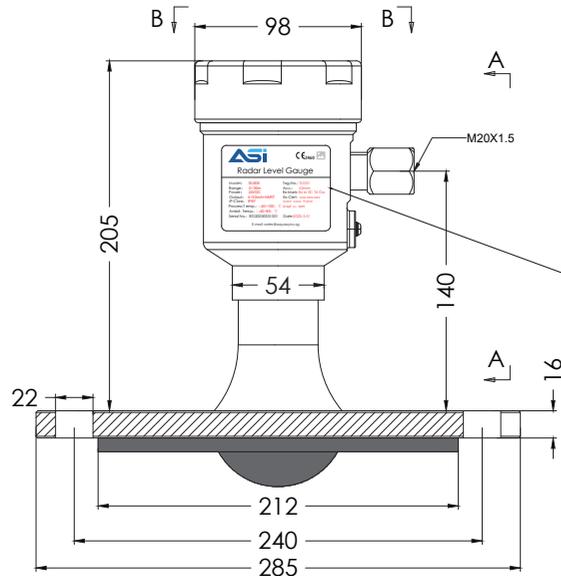
Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date

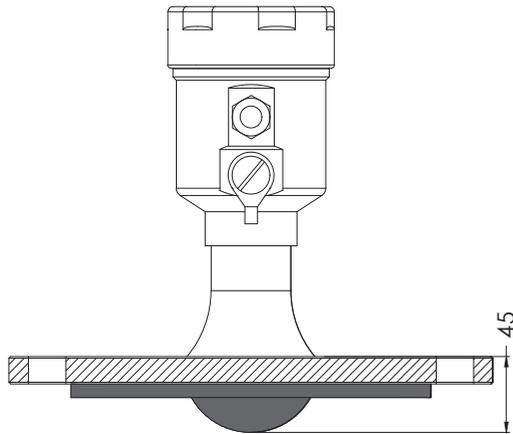


TYPE
CXT-SKH

TITLE **Intelligent Absolute Pressure Transmitter (Direct Mount)**
 DRAWING NO.: **PT-CXT-SKH-DS**



View A-A



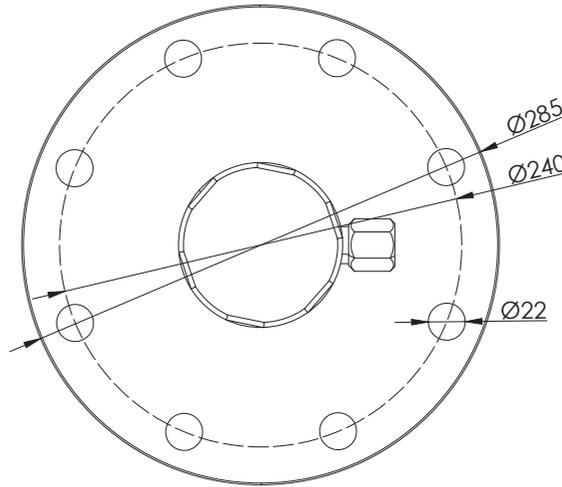
Radar Level Gauge

Model: SL906	Tag.No.: TLG01
Range: 0~30m	Acc.: ±2mm
Power: 24VDC	Ex-Mark: Ex ia IIC T6 Ga
Output: 4~20mA+HART	Ex-Cert: xxxx-xxxx-xxxx
IP-Class: IP67	Ui:XXV li:XXA Pi:XXW
Process Temp.: (-40~150) °C	Ci:0μF Li: 0mH
Ambit. Temp.: (-40~85) °C	
Serial No.: RG20250331001	Date:2025-3-31

E-mail: sales@aquasync.sg

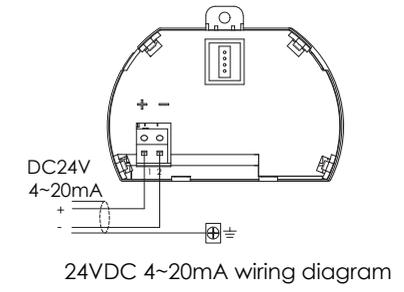


View B-B



Flange
 Imitation of
 GB/T9119-2010
 DN150 PN10 (Thickness: 16mm)

Electrical Wiring



Options

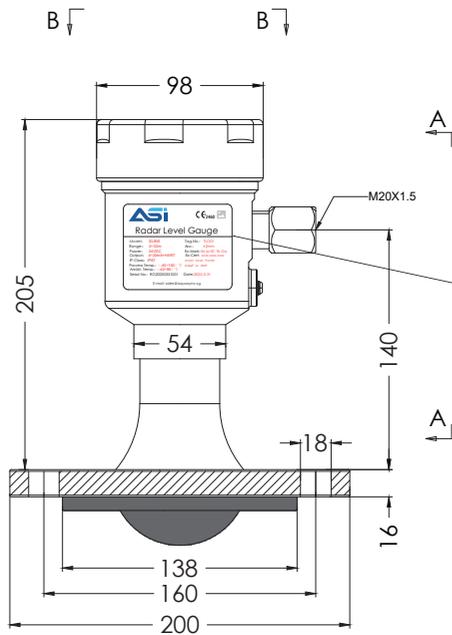
- CNEX
 ATEX
 IECEx

Technical Parameter

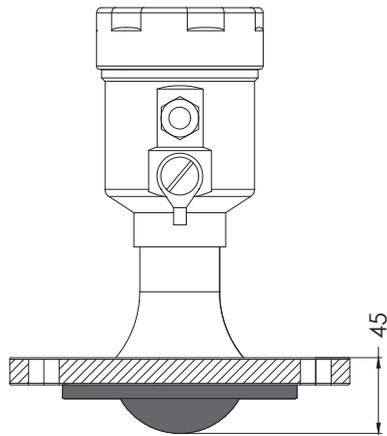
Measuring Medium	Liquid
Power Supply	24VDC
Output Signal	(4~20)mA+HART
Measuring Accuracy	±2mm
Measuring Range	(0~30)m
Ex-Proof	ExiaIIC T6Ga
Protection-Grade	IP67 EN 60529/IEC 529
Process Temp.	(-40~150) °C
Material	SS316L
Beam Width	3°
Pulse Frequency	80Hz
Cable Entrance	M20X1.5

Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

V1.0	Luna	Rex	Bob	2025/8/12	AQUASYNC INNOVATION <small>YOUR SHIP'S GUARDIAN IN THE DIGITAL AGE</small>	WEIGHT	TYPE	TITLE Microwave Radar Level Gauge DRAWING NO.: LT-SL906-DN150-DS
Ver.	Design	Check	Appr.	Date		13Kg	SL906	



View A-A

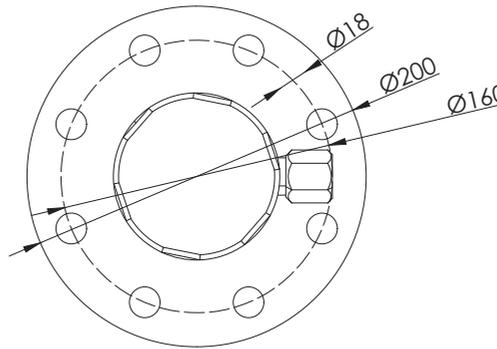


Radar Level Gauge

Model: SL906	Tag.No.: TLG01
Range: 0~30m	Acc.: ±2mm
Power: 24VDC	Ex-Mark: Ex ia IIC T6 Ga
Output: 4~20mA+HART	Ex-Cert: xxxx-xxxx-xxxx
IP-Class: IP67	Ui:XXV Ii:XXA Pi:XXW
Process Temp.: (-40~150) °C	Ci:0μF Li: 0mH
Ambit.Temp.: (-40~85) °C	
Serial No.: RG20250331001	Date:2025-3-31

E-mail: sales@aquasync.sg

View B-B



Flange Imitation of GB/T9119-2010 DN80 PN10 (Thickness: 16mm)

CNEX



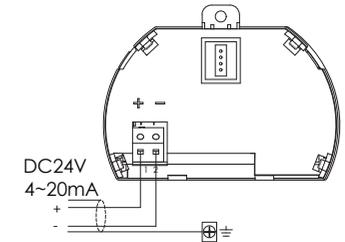
ATEX



IECEX



Electrical Wiring



24VDC 4~20mA wiring diagram

Options

- CNEX
 ATEX
 IECEX

Technical Parameter

Measuring Medium	Liquid
Power Supply	24VDC
Output Signal	(4~20)mA+HART
Measuring Accuracy	±2mm
Measuring Range	(0~30)m
Ex-Proof	ExiaIIC T6Ga
Protection-Grade	IP67 EN 60529/IEC 529
Process Temp.	(-40~150) °C
Material	SS316L
Beam Width	3°
Pulse Frequency	80Hz
Cable Entrance	M20X1.5

Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date



WEIGHT

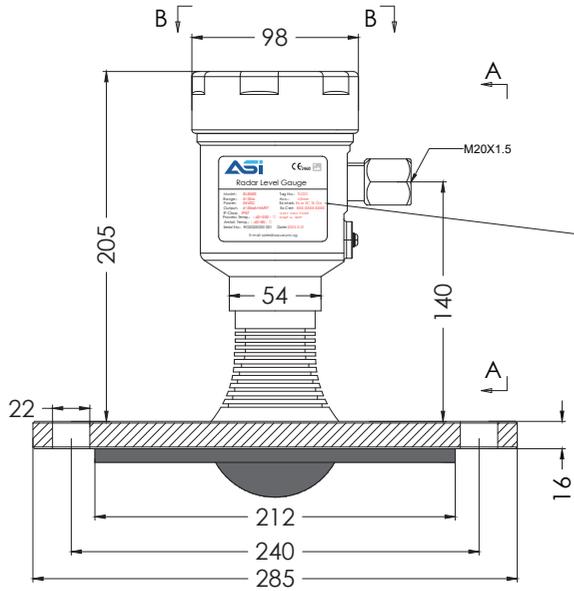
8Kg

TYPE

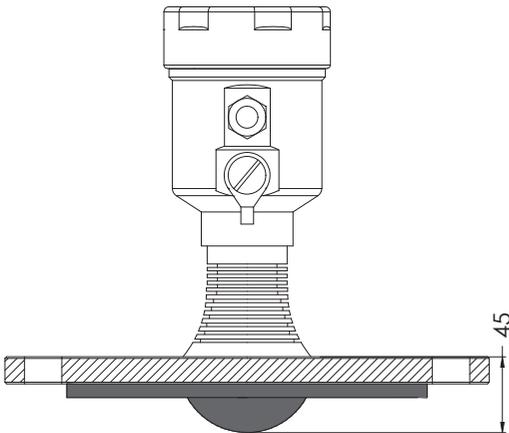
SL906

TITLE **Microwave Radar Level Gauge**

DRAWING NO.: **LT-SL906-DN80-DS**



View A-A

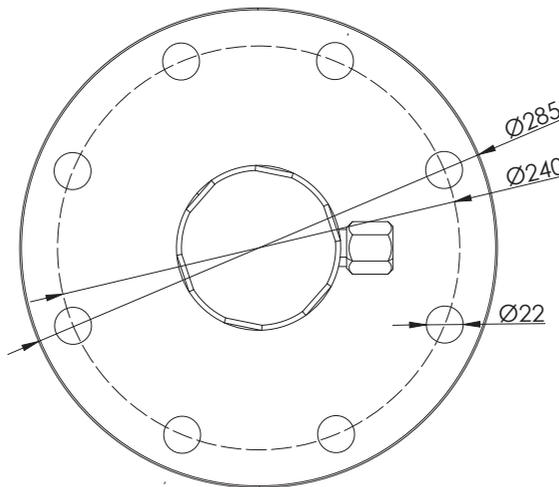


Radar Level Gauge

Model: SL906S	Tag.No.: TLG01
Range: 0~30m	Acc.: ±2mm
Power: 24VDC	Ex-Mark: Ex ia IIC T6 Ga
Output: 4~20mA+HART	Ex-Cert: xxxx-xxxx-xxxx
IP-Class: IP67	Ui:XXV li:XXA Pi:XXW
Process Temp.: (-40~200) °C	Ci:0μF Li: 0mH
Ambit. Temp.: (-40~85) °C	
Serial No.: RG20250331001	Date:2025-3-31

E-mail: sales@aquasync.sg

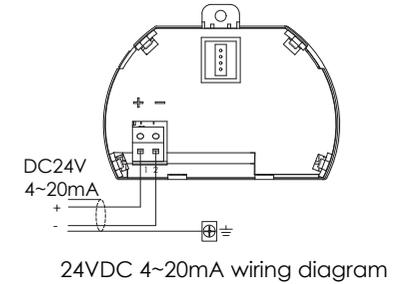
View B-B



Flange
 Imitation of
 GB/T9119-2010
 DN150 PN10 (Thickness: 16mm)



Electrical Wiring



Options

- CNEX
 ATEX
 IECEX

Technical Parameter

Measuring Medium	Liquid
Power Supply	24VDC
Output Signal	(4~20) mA+HART
Measuring Accuracy	±2mm
Measuring Range	(0~30) m
Ex-Proof	Ex ia IIC T6 Ga
Protection-Grade	IP67 EN 60529/IEC 529
Process Temp.	(-40~200) °C
Material	SS316L
Beam Width	3°
Pulse Frequency	80Hz
Cable Entrance	M20X1.5

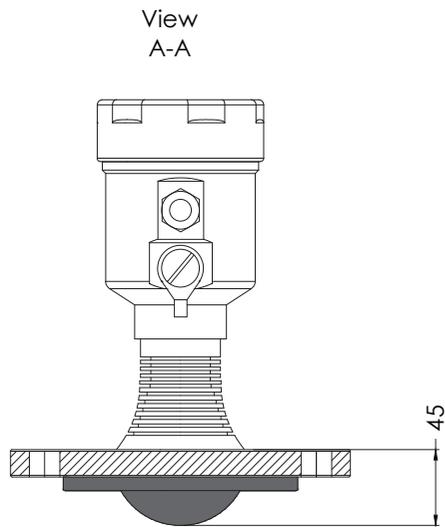
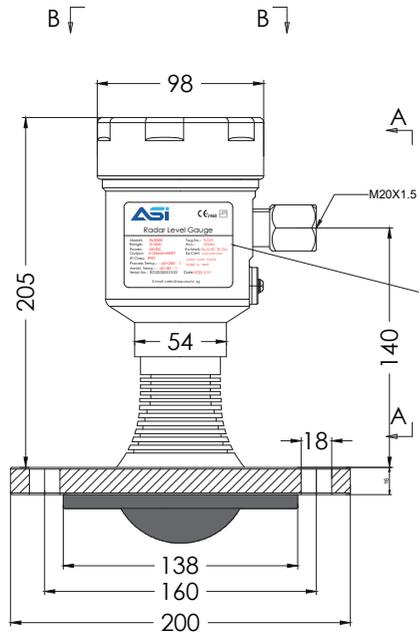
Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date



WEIGHT	TYPE
13Kg	SL906S

TITLE Microwave Radar Level Gauge
DRAWING NO.: LT-SL906S-DN150-DS



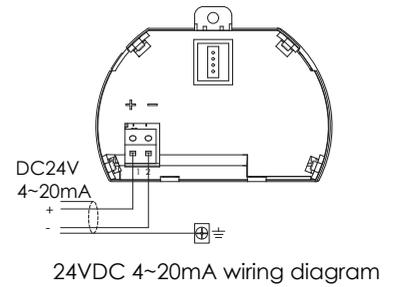
Radar Level Gauge

Model: SL906S	Tag.No.: TLG01
Range: 0~30m	Acc.: ±2mm
Power: 24VDC	Ex-Mark: Ex ia IIC T6 Ga
Output: 4~20mA+HART	Ex-Cert: xxxx-xxxx-xxxx
IP-Class: IP67	Ui:XXV li:XXA Pi:XXW
Process Temp.: (-40~200) °C	C: 0μF Li: 0mH
Ambit. Temp.: (-40~85) °C	
Serial No.: RG20250331001	Date: 2025-3-31

E-mail: sales@aquasync.sg



Electrical Wiring



Options

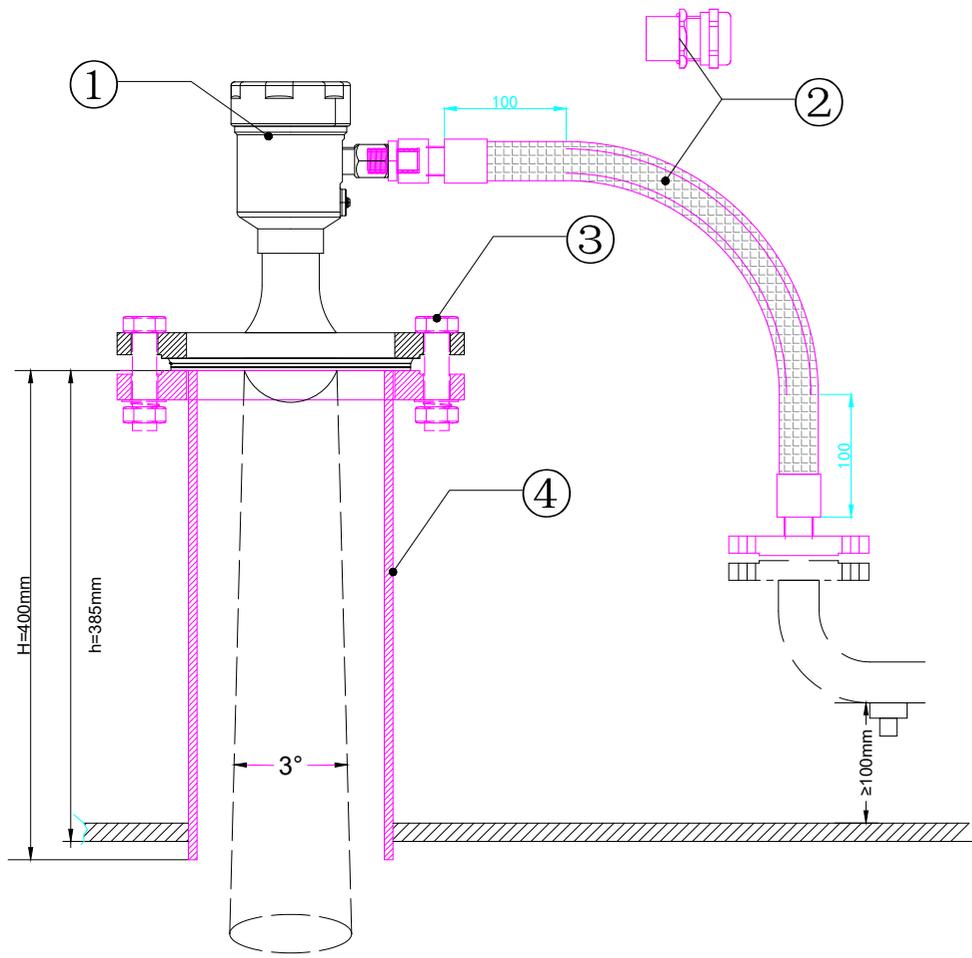
- CNEX
 ATEX
 IECEX

Technical Parameter

Measuring Medium	Liquid
Power Supply	24VDC
Output Signal	(4~20)mA+HART
Measuring Accuracy	±2mm
Measuring Range	(0~30)m
Ex-Proof	ExiaIIC T6Ga
Protection-Grade	IP67 EN 60529/IEC 529
Process Temp.	(-40~200) °C
Material	SS316L
Beam Width	3°
Pulse Frequency	80Hz
Cable Entrance	M20X1.5

Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

V1.0	Luna	Rex	Bob	2025/8/12	AQUASYNC INNOVATION <small>YOUR SHIP'S GUARDIAN IN THE DIGITAL AGE</small>	WEIGHT	TYPE	TITLE Microwave Radar Level Gauge DRAWING NO.: LT-SL906S-DN80-DS
Ver.	Design	Check	Appr.	Date		8kg	SL906S	



NOTE:

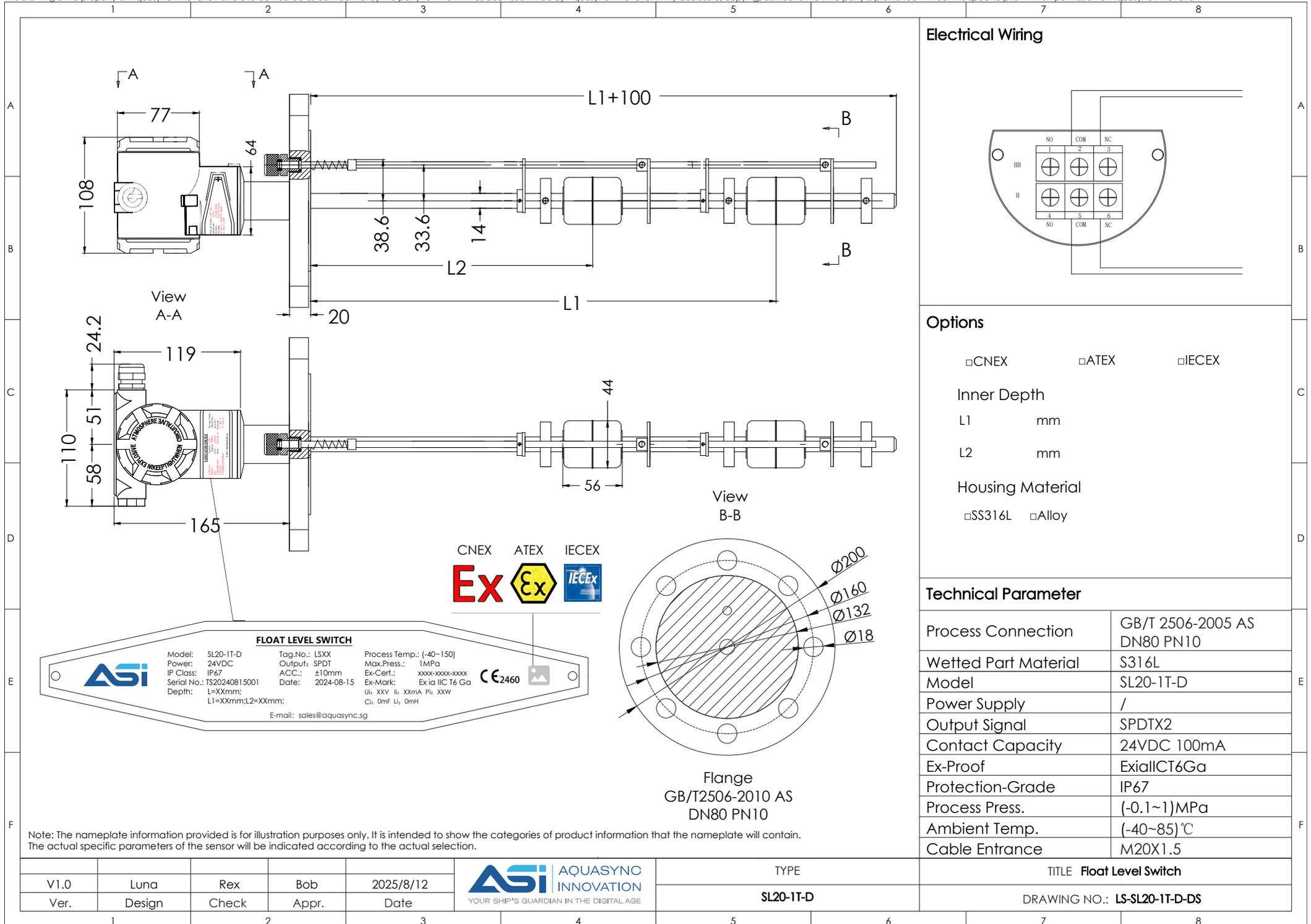
1. Radar installation should be kept as perpendicular as possible to the surface of the medium to be detected, and the welding of the flange base should ensure that it is perpendicular to the normal liquid level;
2. Please select the installation location according to the coverage range of the launch angle, avoid the 3° launch angle range, and avoid installing structural components within the launch angle range;
3. The installation position of radar A should be at least 200mm away from the cabin wall;
4. Do not install the radar at the feeding position. Please ensure that you can detect the surface of the medium, not the incoming medium.
5. The lower edge of the radar installation base should be polished smooth. Welding slag and burrs will reflect interference signals, affecting the normal use of the radar;
6. Before wiring, do not remove the water tight cover of the cable inlet. The wiring should keep the cable connected from bottom to top, and after wiring is completed, tighten the cable locking device to ensure water tightness. At the same time, before covering the radar electronic compartment cover, check that the water tight O-ring is intact and tightly cover the cover to avoid damage caused by poor installation;

Emission angle coverage		Distance	Emission angle coverage circle diameter(D)	
		1m	130mm	
		2m	180mm	
		3m	250mm	
		5m	350mm	
		8m	500mm	
		10m	600mm	
		20m	1125mm	
		30m	2700mm	
④	Flange type installation base	<input type="checkbox"/> Flange: GB/T9119-2010 DN150 PN10 Pipe: SCH40S DN150 400mm:	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
		<input type="checkbox"/> Flange: GB/T9119-2010 DN100 PN10 Pipe: SCH40S DN100 400mm:	SS316L	
③	Bolts	M16-60	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	<input type="checkbox"/> Cable Gland	M20X1.5 (6~12mm Cable)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
	<input type="checkbox"/> Metal threading hose for cable	GB/T2506-2005 DN25 PN10 M20X1.5 (6~10mm cable)	SS316L	
①	Microwave Radar Level Gauge	SL906/906S	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

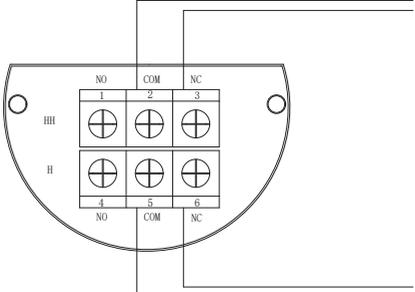
V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date



TYPE		TITLE Scope of Supply and Installation Diagram	
SL906/SL906S		DRAWING NO.: LT-SL90-MT	



Electrical Wiring



Options

- CNEX ATEX IECEx
- Inner Depth
- L1 mm
- L2 mm
- Housing Material
- SS316L Alloy

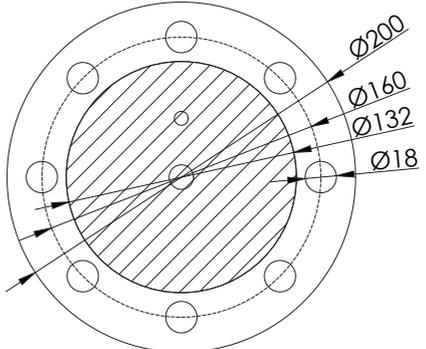
Technical Parameter

Process Connection	GB/T 2506-2005 AS DN80 PN10
Wetted Part Material	S316L
Model	SL20-1T-D
Power Supply	/
Output Signal	SPDTX2
Contact Capacity	24VDC 100mA
Ex-Proof	Ex ia IIC T6 Ga
Protection-Grade	IP67
Process Press.	(-0.1~1)MPa
Ambient Temp.	(-40~85)°C
Cable Entrance	M20X1.5

FLOAT LEVEL SWITCH

ASI	Model: SL20-1T-D Power: 24VDC IP Class: IP67 Serial No.: TS20240815001 Depth: L=XXmm; L1=XXmm;L2=XXmm;	Tag.No.: LSXX Output: SPDT ACC.: ±10mm Date: 2024-08-15 Process Temp.: (-40~150) Max.Press.: 1MPa Ex-Cert.: xxx-xxxx-xxxx Ex-Mark: Ex ia IIC T6 Ga U: XXV li: XXmA Pt: XXW Ci: OmF li: OmH
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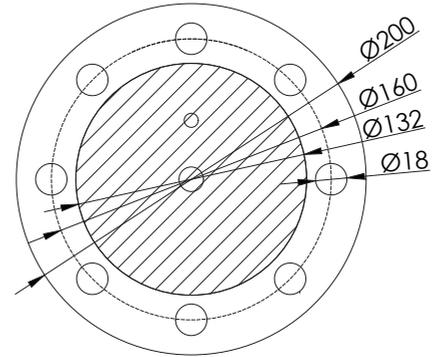
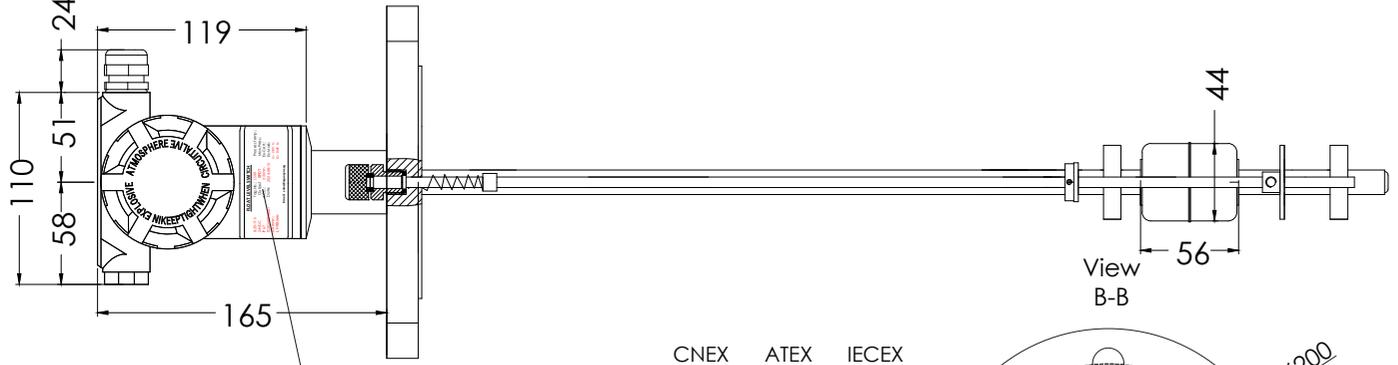
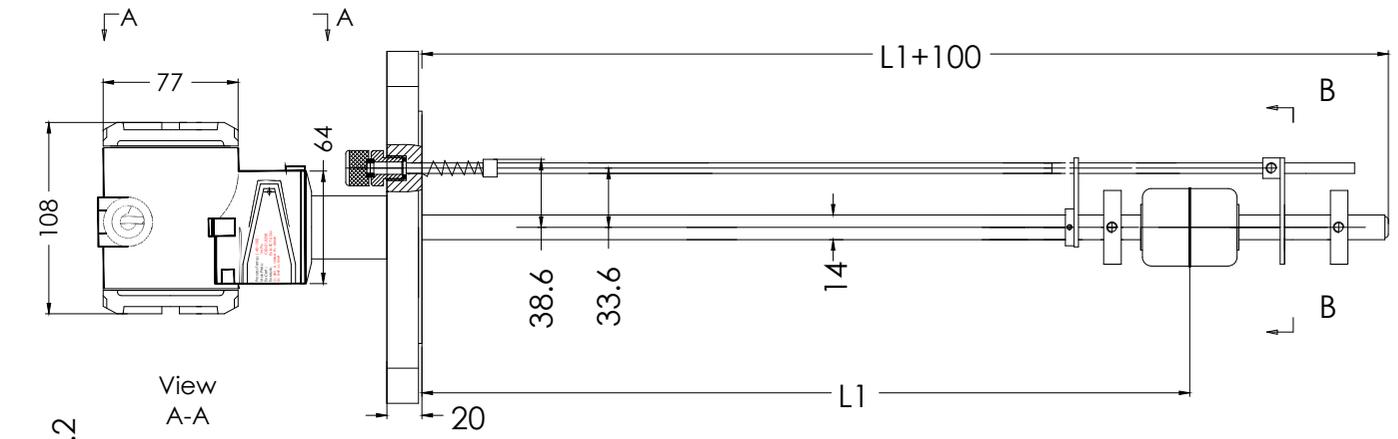
E-mail: sales@aquasync.sg



Flange
GB/T2506-2010 AS
DN80 PN10

Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

V1.0	Luna	Rex	Bob	2025/8/12		TYPE	TITLE Float Level Switch
Ver.	Design	Check	Appr.	Date		YOUR SHIP'S GUARDIAN IN THE DIGITAL AGE	SL20-1T-D



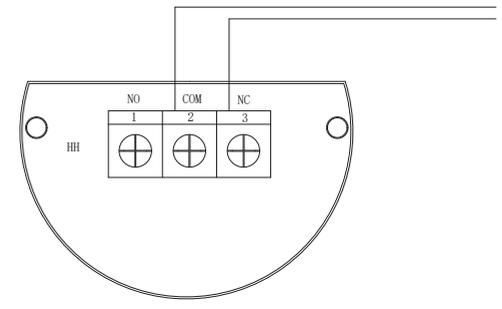
Flange
 GB/T2506-2005 AS
 DN80 PN10

FLOAT LEVEL SWITCH

ASI	Model: SL20-1T-S	Tag.No.: LSXX	Process Temp.: (-40~150)
	Power: 24VDC	Output: SPDT	Max.Press.: 1MPa
	IP Class: IP67	ACC.: ±10mm	Ex-Cert.: xxx-xxxx-xxx
	Serial No.: TS20240815001	Date: 2024-08-15	Ex-Mark: Ex ia IIC T6 Ga
	Depth: L=XXmm; L1=XXmm	U: XXV II; XXmA P: XXW	Ci: 0MF L1: 0MH

E-mail: sales@aquasync.sg

Electrical Wiring



Options

- CNEX ATEX IECEx
- Inner Depth
- L mm
- Housing Material
- SS316L Alloy

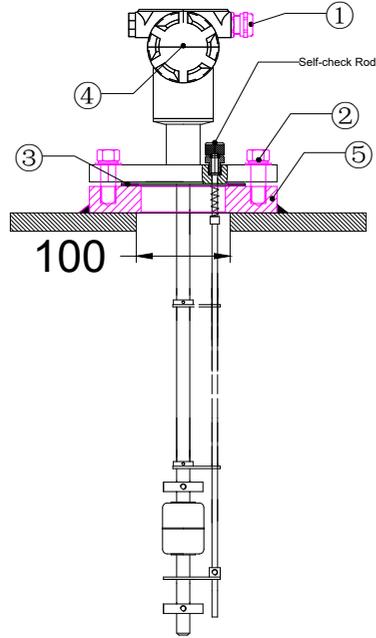
Technical Parameter

Process Connection	GB/T 2506-2005 AS DN80 PN10
Wetted Part Material	S316L
Model	SL20-1T-S
Power Supply	/
Output Signal	SPDTX1
Contact Capacity	24VDC 100mA
Ex-Proof	Exia IIC T6 Ga
Protection-Grade	IP67
Process Press.	(-0.1~1) MPa
Ambient Temp.	(-40~85) °C
Cable Entrance	M20X1.5

Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

V1.0	Luna	Rex	Bob	2025/8/12		TYPE	TITLE Float Level Switch DRAWING NO.: LS-SL20-1T-S-DS
Ver.	Design	Check	Appr.	Date		YOUR SHIP'S GUARDIAN IN THE DIGITAL AGE	

Form A

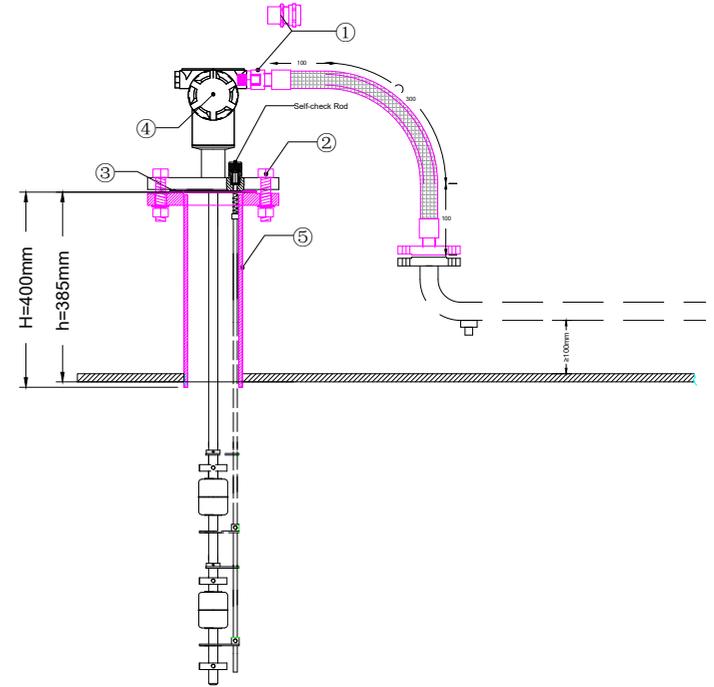


NOTE:

- 1、 The installation form of the welding seat requires a hole of 100mm at the measuring point;
- 2、 During equipment installation, it is prohibited to open the waterproof cover of the cable inlet before wiring;
- 3、 This equipment is equipped with a self checking device. After loosening the nut, the self checking rod can be lifted to test the working status of the equipment. After the test is completed, the self checking rod can be lowered and the nut tightened to prevent leakage or false alarm in the container;
- 4、 Before wiring, do not remove the water tight cover of the cable inlet. The wiring should keep the cable connected from bottom to top, and after wiring is completed, tighten the cable locking device to ensure water tightness.

⑤	Welding Flange installation base	Flange: GB/T11693-2010 DN80 PN10	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
④	Float Level Gauge	<input type="checkbox"/> SL20-1T-S	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
		<input type="checkbox"/> SL20-1T-D	SS316L	
③	Gasket	PTFE: DN80 PN10	PTFE	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	Bolts	M16-40	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Cable Gland	M20X1.5 (6~12mm Cable)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

Form B



NOTE:

- 1、 During equipment installation, it is prohibited to open the waterproof cover of the cable inlet before wiring;
- 2、 This equipment is equipped with a self checking device. After loosening the nut, the self checking rod can be lifted to test the working status of the equipment. After the test is completed, the self checking rod can be lowered and the nut tightened to prevent leakage or false alarm in the container;
- 3、 Before wiring, do not remove the water tight cover of the cable inlet. The wiring should keep the cable connected from bottom to top, and after wiring is completed, tighten the cable locking device to ensure water tightness.

⑤	Flange type installation base	Flange: GB/T2506-2005 DN80 PN10 Pipe: SCH40S DN80 400mm:	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
④	Float Level Gauge	<input type="checkbox"/> SL20-1T-S	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
		<input type="checkbox"/> SL20-1T-D	SS316L	
③	Gasket	PTFE: DN80 PN10	PTFE	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	Bolts	M16-60	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	<input type="checkbox"/> Cable Gland	M20X1.5 (6~12mm cable)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
	<input type="checkbox"/> Metal threading hose for cable	GB/T2506-2005 DN25 PN10 M20X1.5 (6~12mm cable)	SS316L	
No.	Items	Description	Material	Supplier

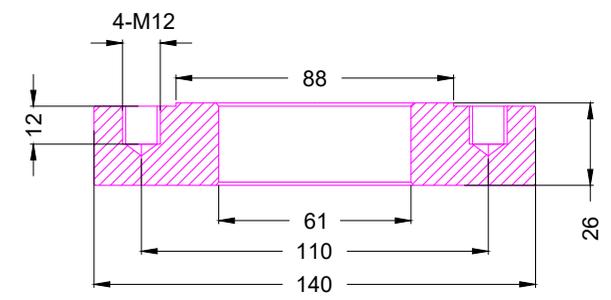
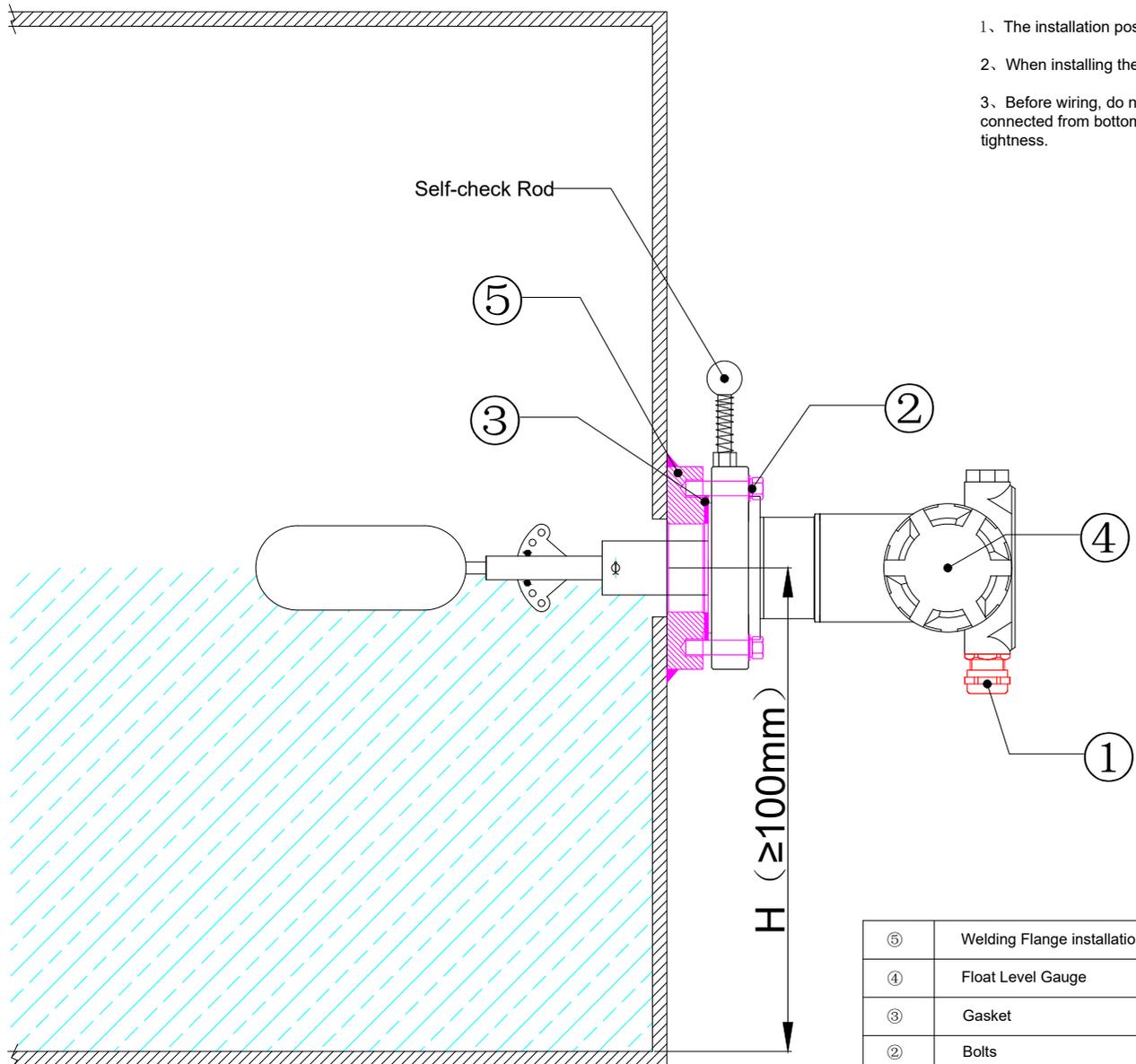
V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date



TYPE		TITLE	
SL20-1T		Scope of Supply and Installation Diagram	
		DRAWING NO.: LS-SL20-1T-MT	

NOTE:

1. The installation position of SL-20-2T should be at least 100mm away from the tank bottom;
2. When installing the float switch, the self checking rod should be kept vertically upward;
3. Before wiring, do not remove the water tight cover of the cable inlet. The wiring should keep the cable connected from bottom to top, and after wiring is completed, tighten the cable locking device to ensure water tightness.



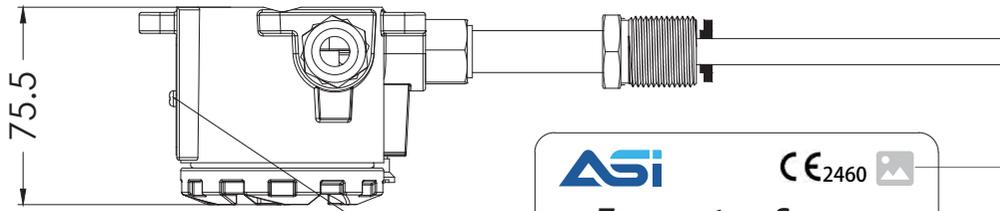
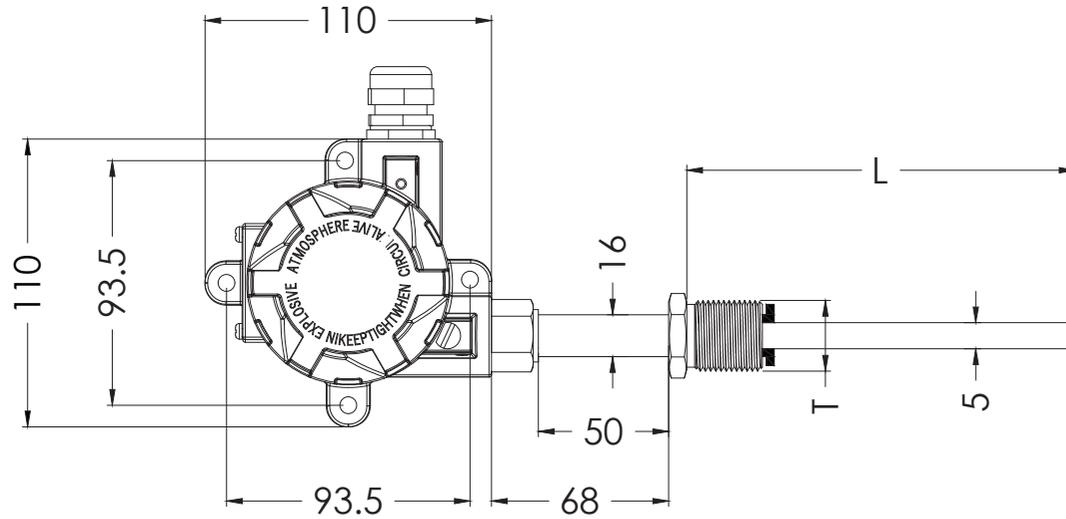
Welding Flange installation base
 GB/T11693-2010 DN50 PN6 AS

⑤	Welding Flange installation base	GB/T11693-2010 DN50 PN6 AS	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
④	Float Level Gauge	SL20-2T	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
③	Gasket	PTFE; DN80 PN10	PTFE	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	Bolts	M12-40	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Cable Gland	M20X1.5 (6~12mm Cable)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date



TYPE		TITLE	
SL20-2T		Scope of Supply and Installation Diagram	
		DRAWING NO.: LS-SL20-2T-MT	



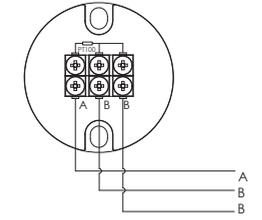
CE 2460

Temperature Sensor

Model: WZPK Tag.: TS01
 Range: 0~100°C
 ACC.: A-Class
 Output: PT100-3wries
 IP Class: IP67
 Ex Mark: Ex ia IIC T6 Ga
 Ex Cert.: xxxx-xxxx-xxxx
 Ui: XXV li: XXmA Pi: XXW
 Ci: 0.044μF Li: 0mH
 Serial No.: TS20250331001
 Date: 2025-03-31
 E-mail: sales@aquasync.sg

- CNEX
- Ex**
- ATEX
- Ex**
- IECEX
- IECEX**

Electrical Wiring



Options

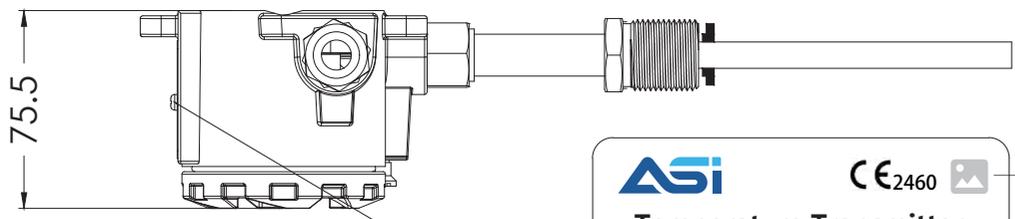
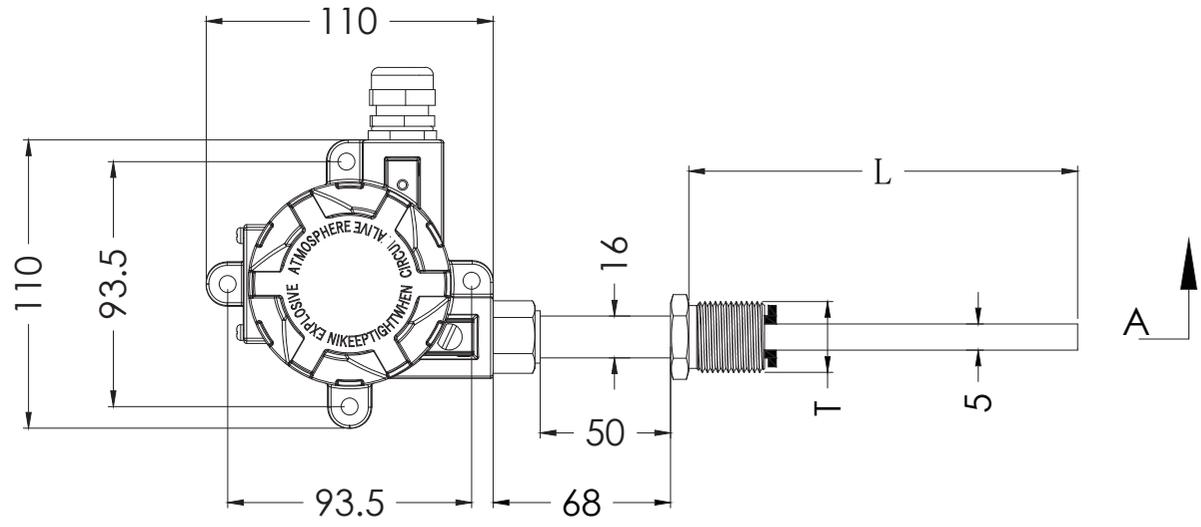
- CNEX ATEX IECEX
- Process Connection(T)**
- G1/2"-Male G1"-Male
- M20X1.5-Male
- Housing Material**
- SS316L Alloy
- Wetted part**
- SS316L SS304
- SS2205 Ti
- HC-276
- Accuracy**
- A-Class: +(0.15+0.002 | T) B-Class: +(0.3+0.005 | T |)
- Measuring Range**
- ~ °C
- Inner Depth**
- L mm

Technical Parameter

Model	WZPK
Power Supply	/
Output Signal	PT100
LRL/URL	(-200~850) °C
Ex-Proof	ExialICT6Ga
Protection-Grade	IP67
Ambient Temp.	(-40~85) °C
Cable Entrance	M20X1.5

Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

V1.0	Luna	Rex	Bob	2025/8/12	AQUASYNC INNOVATION <small>YOUR SHIP'S GUARDIAN IN THE DIGITAL AGE</small>	TYPE	TITLE Temperature Sensor		
Ver.	Design	Check	Appr.	Date		WZPK	DRAWING NO.: TS-WZPK-DS		



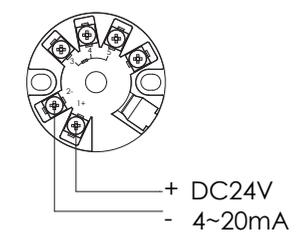
ASI CE2460

Temperature Transmitter

Model: WZPB Tag.: TS01
 Range: 0~100°C
 ACC.: ±0.5%
 Output: 4~20mA
 IP Class: IP67
 Ex Mark: Ex ia IIC T6 Ga
 Ex Cert.: xxxx-xxxx-xxxx
 Ui: XXV li: XXmA Pi: XXW
 Ci: 0.044µF Li: 0mH
 Serial No.: TS20250331001
 Date: 2025-03-31
 E-mail: sales@aquasync.sg

- CNEX
- Ex**
- ATEX
- Ex**
- IECEX
- IECEX**

Electrical Wiring



Options

- CNEX
- ATEX
- IECEX

Process Connection (T)

- G1/2"-Male
- M20X1.5-Male
- G1"-Male

Housing Material

- SS316L Alloy

Wetted part

- SS316L SS304
- SS2205 Ti
- HC-276

Measuring Range

~ °C

Inner Depth

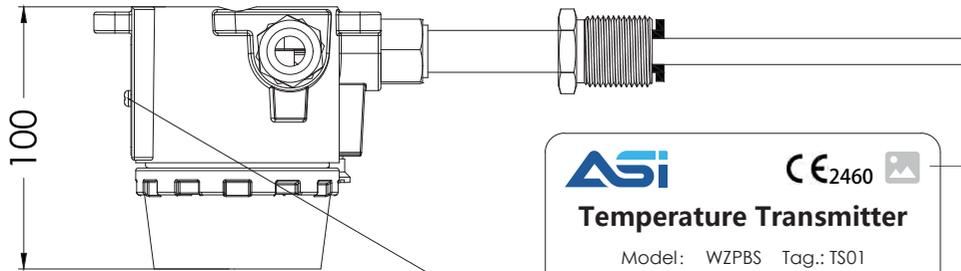
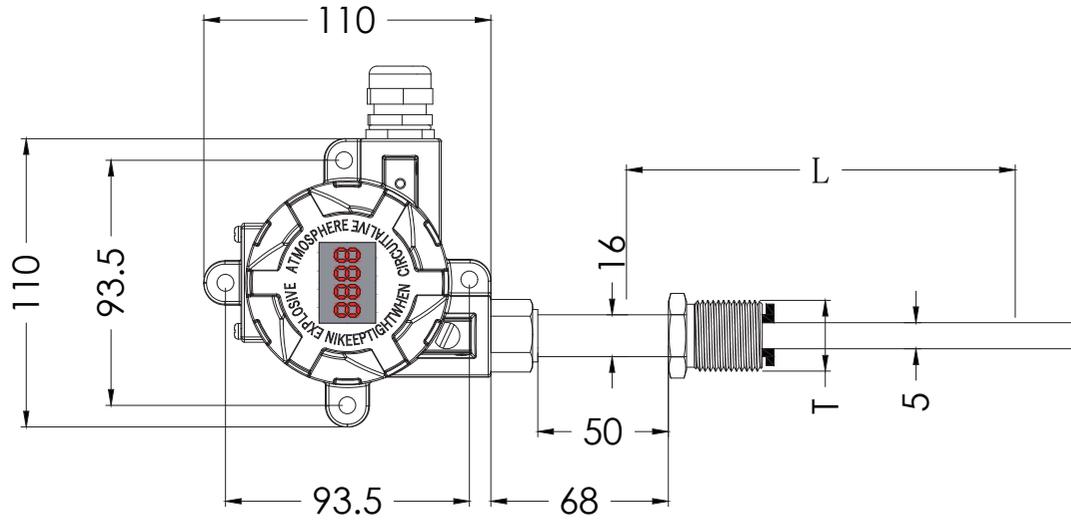
L mm

Technical Parameter

Model	WZPB
Accuracy	±0.5%F.S
Power Supply	24VDC
Output Signal	(4~20)mA
LRL/URL	(-200~850)°C
Ex-Proof	ExiaIIC T6 Ga
Protection-Grade	IP67
Ambient Temp.	(-40~85)°C
Cable Entrance	M20X1.5

Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

V1.0	Luna	Rex	Bob	2025/8/12	AQUASYNC INNOVATION <small>YOUR SHIP'S GUARDIAN IN THE DIGITAL AGE</small>	TYPE		TITLE Temperature Transmitter
Ver.	Design	Check	Appr.	Date		WZPB	DRAWING NO.: TT-WZPB-DS	

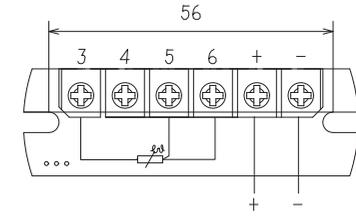


Temperature Transmitter

Model: WZPBS Tag.: TS01
 Range: 0~100°C
 ACC.: ±0.5%
 Output: 4~20mA
 IP Class: IP67
 Ex Mark: Ex ia IIC T6 Ga
 Ex Cert.: xxxx-xxxx-xxxx
 Ui: xxV li: xxmA Pi: xxW
 Ci: 0.044µF Li: 0mH
 Serial No.: TS20250331001
 Date: 2025-03-31
 E-mail: sales@aquasync.sg



Electrical Wiring



Options

- CNEX ATEX IECEX

Process Connection(T)

- G1/2"-Male G1"-Male
M20X1.5-Male

Housing Material

- SS316L Alloy

Wetted part

- SS316L SS304
SS2205 Ti
HC-276

Measuring Range

~ °C

Inner Depth

L mm

Technical Parameter

Model	WZPBS (with LCD Display)
Accuracy	±0.5%F.S
Power Supply	24VDC
Output Signal	(4~20)mA
LRL/URL	(-200~850) °C
Ex-Proof	ExiaIIC T6 Ga
Protection-Grade	IP67
Ambient Temp.	(-40~85) °C
Cable Entrance	M20X1.5

Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date

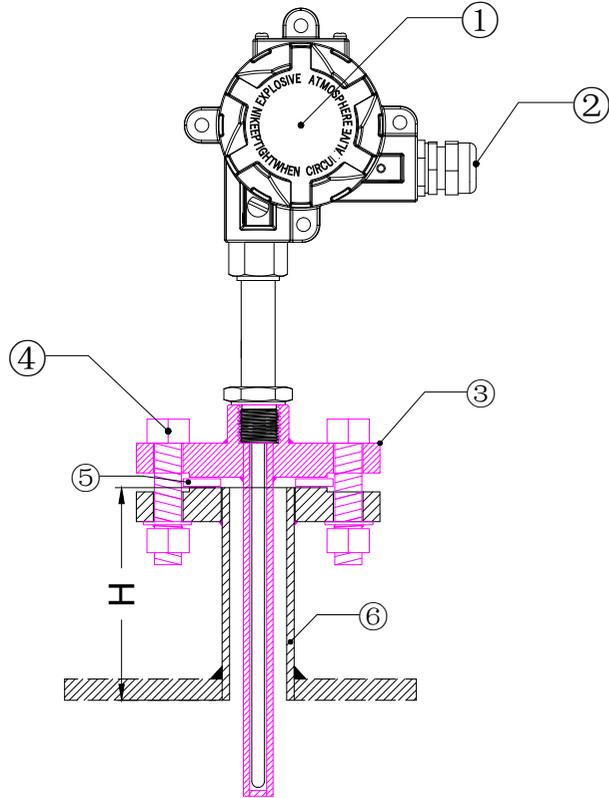


TYPE
WZPBS

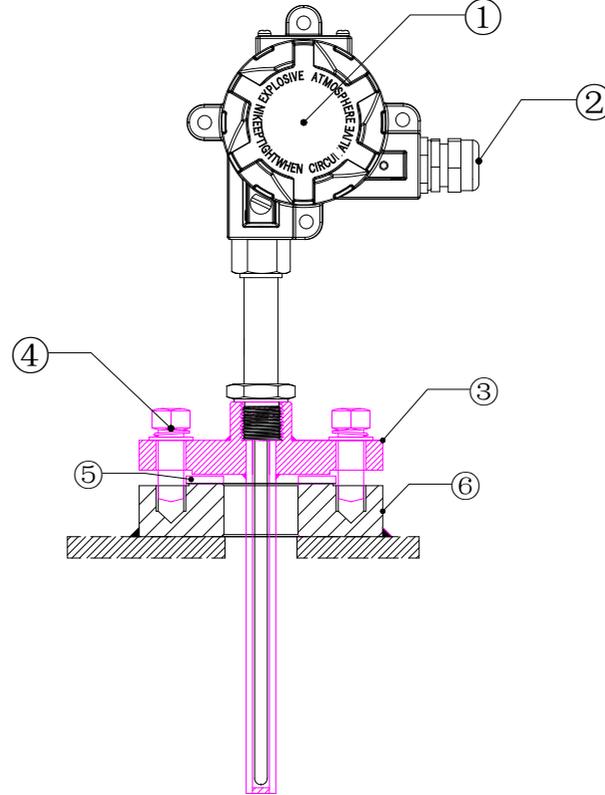
TITLE **Temperature Transmitter(LCD Display)**

DRAWING NO.: **TT-WZPBS-DS**

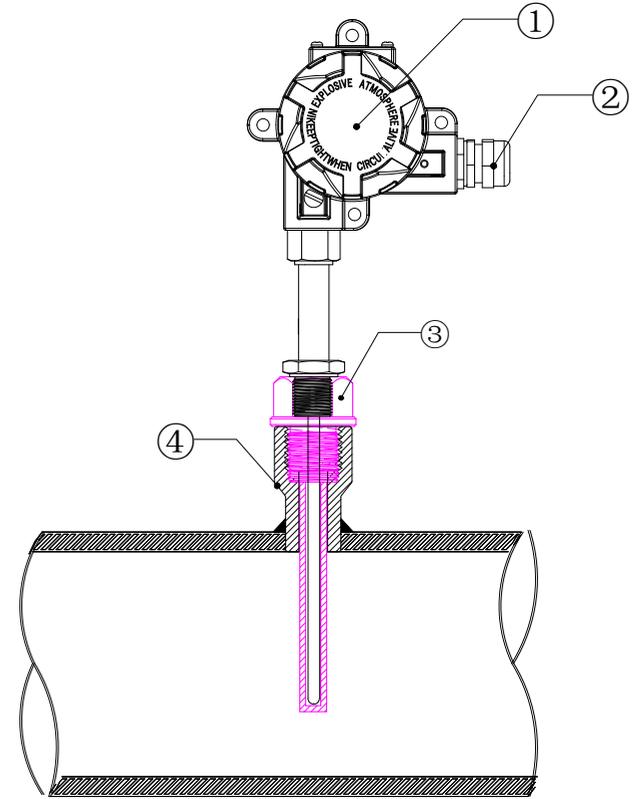
Form A



Form B



Form C



⑥	Flange type installation base	Flange: GB/T2506-2005 DN25 PN10 Pipe: SCH40S SS316L	SS316L	-
⑤	Gasket	PTFE: DN25 PN10	PTFE	<input type="checkbox"/> ASI <input type="checkbox"/> Others
④	Bolts	M12-50	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
③	Flange Type thermal protective sleeve	GB/T 2506-2005 DN25 PN10; M20X1.5(Female);φ14mm	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	Cable Gland	M20X1.5 (6~12mm Cable)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Temperature Sensor&Transmitter	WZPBS-4~20mA Output with Display	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
		WZPB-4~20mA Output without Display	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
		WZPK-PT100 Output	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

⑥	Welding Flange installation base	Flange: GB/T11693-2010 DN25 PN10	SS316L	-
⑤	Gasket	PTFE: DN25 PN10	PTFE	<input type="checkbox"/> ASI <input type="checkbox"/> Others
④	Bolts	M12-30	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
③	Flange Type thermal protective sleeve	GB/T 2506-2005 DN25 PN10; M20X1.5(Female);φ14mm	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	Cable Gland	M20X1.5 (6~12mm Cable)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Temperature Sensor&Transmitter	WZPBS-4~20mA Output with Display	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
		WZPB-4~20mA Output without Display	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
		WZPK-PT100 Output	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

④	Threaded welding Joint	G1/2"(F)	SS316L	-
③	Thread Type thermal protective sleeve	M20X1.5(Female)-G1/2"(Male);φ14mm	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
②	Cable Gland	M20X1.5 (6~12mm Cable)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Temperature Sensor&Transmitter	WZPBS-4~20mA Output with Display	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
		WZPB-4~20mA Output without Display	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
		WZPK-PT100 Output	-	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date

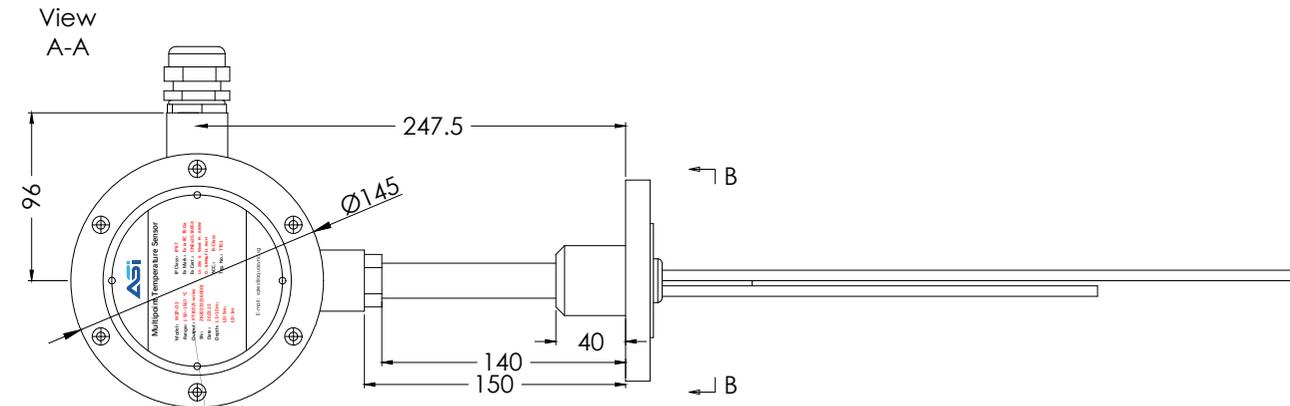
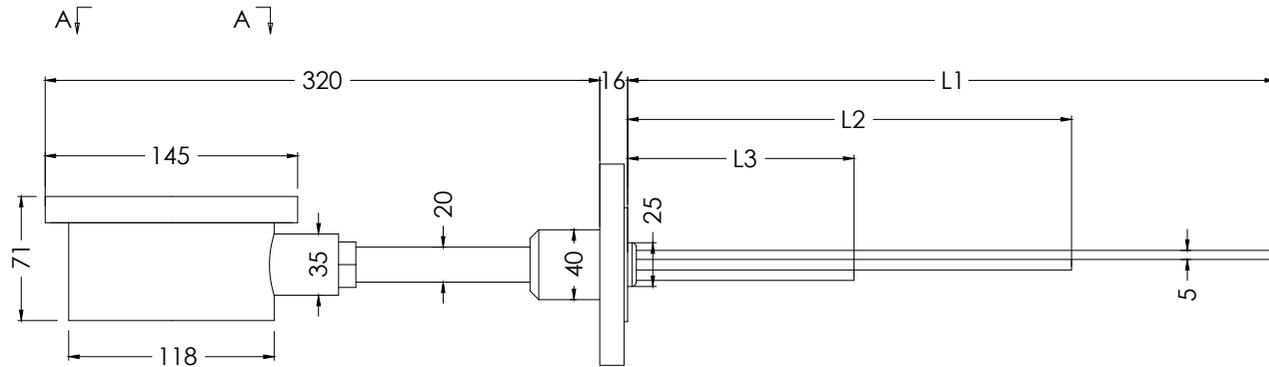


TYPE

WZP

TITLE Scope of Supply and Installation Diagram

DRAWING NO.: TEMP-WZP-MT

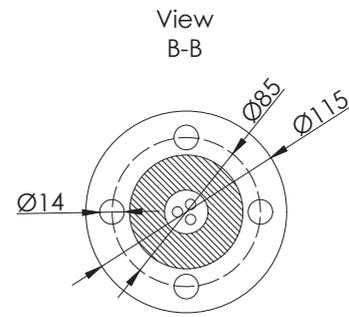


ASI CE2460

Multipoint Temperature Sensor

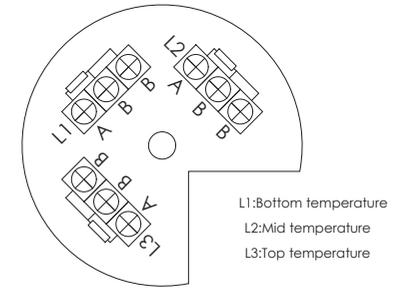
Model: WZPD3	IP Class: IP67
Range: (-50~150) °C	Ex Mark: Ex ia IIC T6 Ga
Output: PT100/3-wires	Ex Cert.: xxx-xxxx-xxxx
SN: ZK202312160001	U: XXV E: XXmA P: XXW
Date: 2023.12	Ci: 0.044F U: 0mst
Depth: L1=10m;	ACC.: B-Class
L2=5m;	Tag. No.: TT01
L3=1m	

E-mail: sales@aquasync.sg



GB/T2506-2005 AS
DN25 PN10/16

Electrical Wiring



Options

- CNEX ATEX IECEX
- Inner Depth
- L1 mm
- L2 mm
- L3 mm
- Measuring Range
- ~ °C
- Accuracy
- A-Class: +(0.15+0.002 | T) B-Class: +(0.3+0.005 | T |)

Technical Parameter

Model	WZPD
Power Supply	/
Output Signal	3*PT100 3-wires
LRL/URL	(-50~250)°C
Ex-Proof	ExialICT6Ga
Protection-Grade	IP67
Ambient Temp.	(-40~85)°C
Cable Entrance	M20X1.5
Housing Material	SS316L
Sensor Cable	PTFE sheath+ SS316L woven mesh

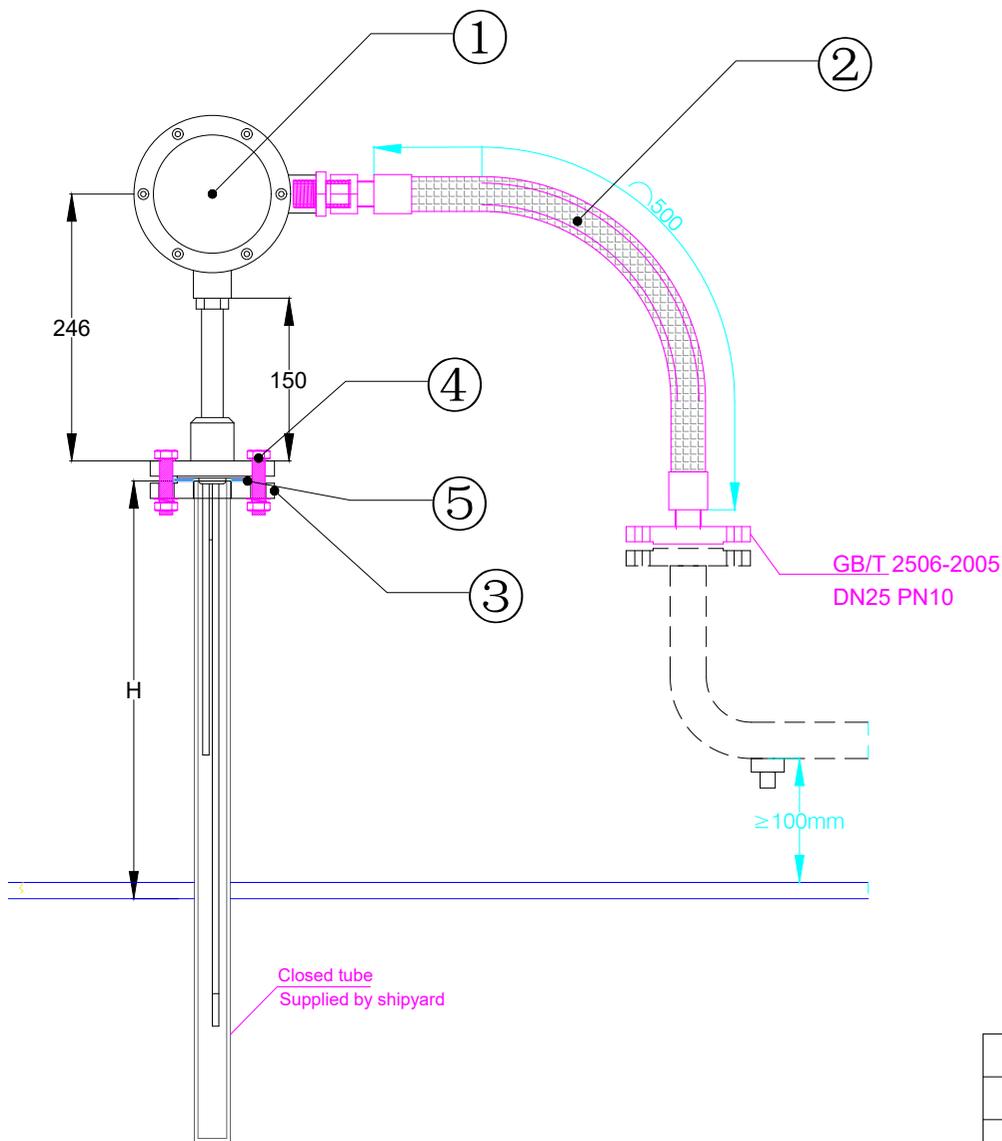
Note: The nameplate information provided is for illustration purposes only. It is intended to show the categories of product information that the nameplate will contain. The actual specific parameters of the sensor will be indicated according to the actual selection.

V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date



TYPE	WZPD
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TITLE	Multipoints Temperature Sensor
DRAWING NO.:	TS-WZPD-DS



NOTE:

1、 The flange type measuring tube should be in a sealed form, and the inside of the tube should be water tightly isolated from the tank. If necessary, a tightness test should be conducted;

2、 When installing flange type measuring pipes, if the length exceeds 1m, pipe clamps should be added in the middle and top of the pipe section as appropriate for fixing, to prevent the measuring pipe from shaking and causing damage;

⑤	Gasket	PTFE; DN25 PN10	PTFE	-
④	Bolts	M12-50	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
③	Connection Flange	GB/T 2506-2005 DN25 PN10	SS316L	-
②	Metal threading hose for cable	M30X1.5 (10~16mm Cable)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
①	Temperature Sensor&Transmitter	WZPD (Mutipoints Temperature Sensor)	SS316L	<input type="checkbox"/> ASI <input type="checkbox"/> Others
No.	Items	Description	Material	Supplier

V1.0	Luna	Rex	Bob	2025/8/12
Ver.	Design	Check	Appr.	Date

TYPE		TITLE Scope of Supply and Installation Diagram	
WZPD		DRAWING NO.: TEMP-WZPD-MT	



Address: 8 Temasek Boulevard #11-01.Suntec city Tower 3, Singapore 038988

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