



**features**

- Compact design, strong earthquake resistance, fast response
- Sensor direct output signal: Pt100/ Pt1000, 2, 3 or 4 wires; Or integrated transmitter output analog signal 4... 20 mA
- Integrated transmitter independent parameter Settings, can be easily through the free PC software card configure
- Class A precision grade of the sensor element, in accordance with IEC 60751

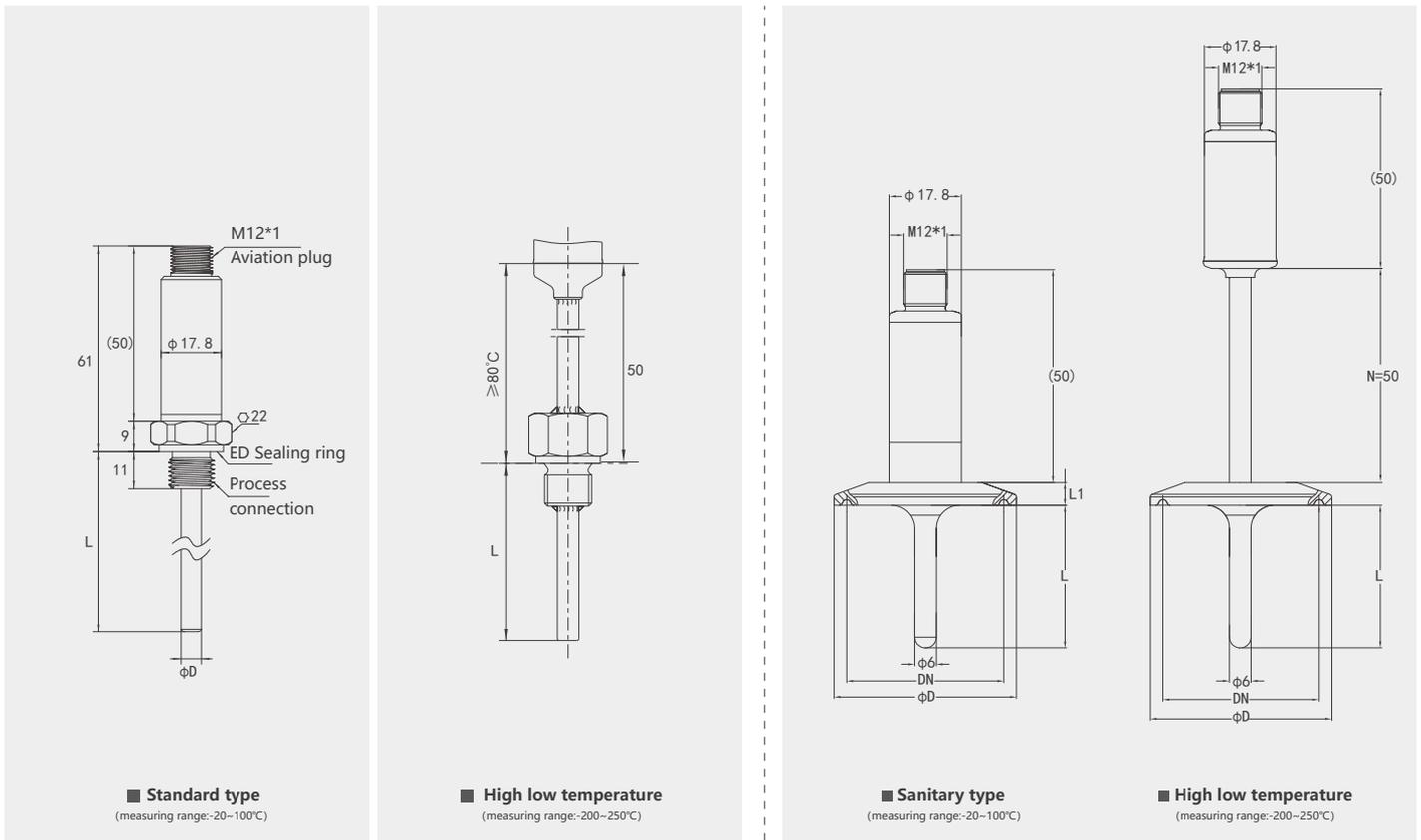
**Technical parameters**

◇ Measurement scope:	The custom
◇ Linearity:	< 0.5%
◇ Accuracy:	Plus or minus 0.2 K + 0.5% of full scale
◇ Resolution:	0.1 K.
◇ Cardiac compression:	Φ6type probe and 40 bar, Φ8 probe 100 bar
◇ Influence of temperature:	0.1 K / 10 K
◇ Response time:	T90 / t-50, 2.3 seconds, 5.4 seconds
◇ Working voltage:	12... 30 VDC
◇ Electrical protection:	Reverse pole, overload protection
◇ Sensors:	PT100
◇ Ambient temperature:	-25... 80 °C
◇ Level of protection:	IP65
◇ Shell materials:	Stainless steel
◇ Material of contact liquid part:	304 Stainless steel
◇ Electrical connection	Terminal connection

**product application**

Machinery, equipment and tank manufacturing  
 Propulsion technology, hydraulic equipment  
 - Sanitary applications  
 Food and beverage industry  
 Pharmaceutical industry, surfactant production  
 Biotechnology and life science engineering  
 Dairy, brewery

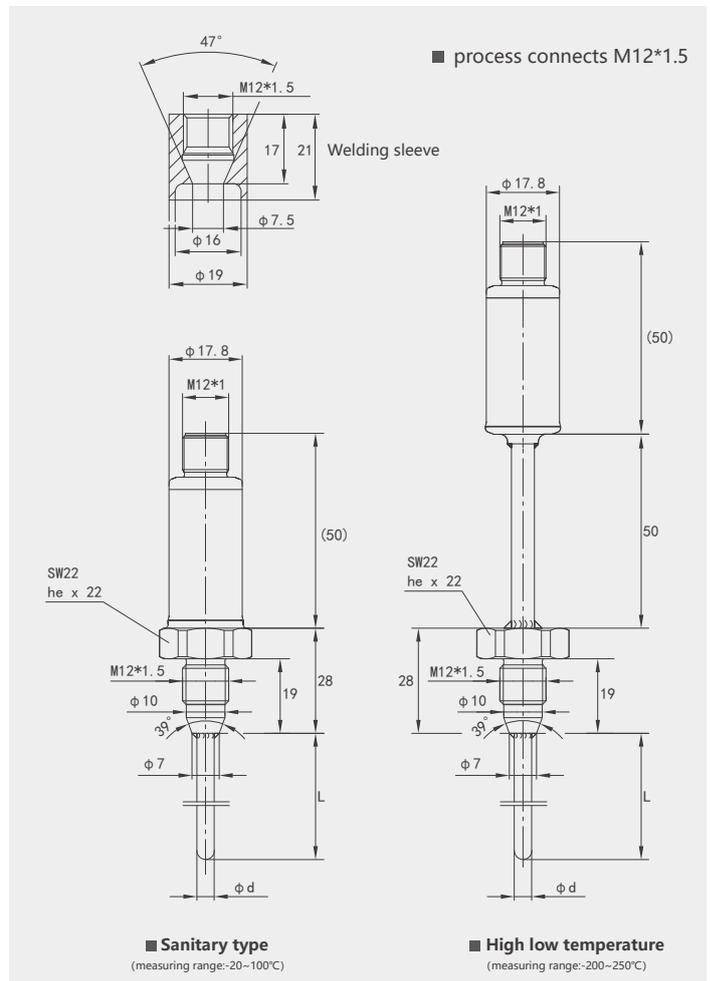
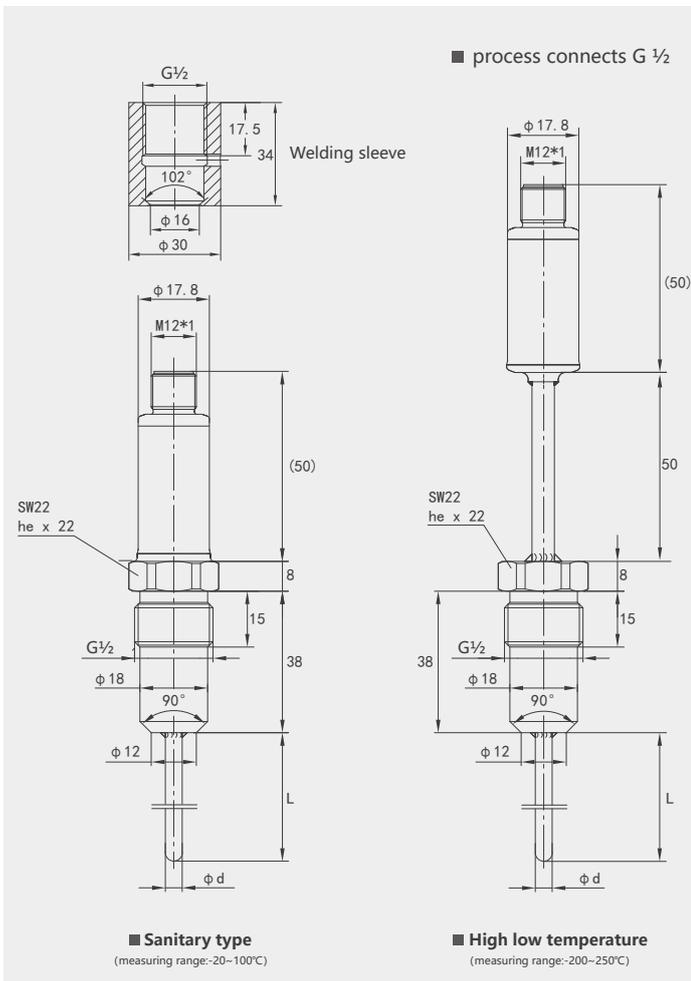
**Size chart (mm)**



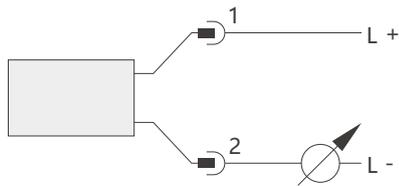
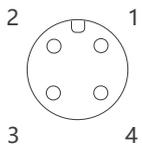
Sanitary type (Dimension table)

Process connection	Nominal width (mm)	PN (MPa)	size (mm)		weight (Kg)
			Ø D	L 2	
DIN 32676, Piping in accordance with DIN 11866 A	DN 10 ... 20	2.5	34	6.35	0.2
	DN 25 ... 40	2.5	50.5	6.35	0.3
	DN 50	1.6	64	6.35	0.4
DIN 32676, Piping in accordance with DIN 11866 B	13.5 ... 17.2	2.5	25	4.75	0.2
	21.3 ... 33.7	2.5	50.5	6.35	0.3
	42.4 ... 48.3	1.6	64	6.35	0.3
DIN 32676, Piping in accordance with DIN 11866 C	½" ... ¾"	2.5	25	4.75	0.2
	1" ... 1 ½"	2.5	50.5	6.35	0.3
	2"	1.6	64	6.35	0.4
chuck	½" ... ¾"	1.38	25	4.75	0.2
	1" ... 1 ½"	1.38	50.5	6.35	0.3
	2"	1.38	64	6.35	0.4
	2 ½"	1.38	77.5	6.35	0.5
	3"	1.38	91	6.35	0.6
ISO 2852	DN 12 ... 21.3	1.6	34	6.35	0.2
	DN 25 ... 38	1.6	50.5	6.35	0.3
	DN 40 ... 51	1.6	64	6.35	0.4

Tapered sanitary thread process connection



Selection table



pins	connection
1	24VDC
2	Temperature analog signal (4-20mA)

Selection table

TM112-	C2080	A	6	25	G14M	M	detailed
TM112							Exquisite temperature transmitter
	C2080						Range -20...80°C
	C20100						Range-20...100°C
	C0100						Range 0...100°C
	C50100						Range-50...100°C
	C50150						Range-50...150°C
	C0150						Range0...150°C
	C0100						Range 0...100°C
	C50200						Range -50...200°C
	C50250						Range -50...250°C
	C100100						Range -100...100°C
	C200100						Range -200...100°C
		A					analog range output: 4...20mA
			/6				Pipe diameter Φ6
			/8				Pipe diameter Φ8
				/25			probe length L 25mm
				/50			probe length L 50mm
				/75			probe length L 75mm
				/100			probe length L 100mm
				--			L=XXXmm: The probe length can be customized according to customer requirements
					G14M		Thread interface G1/4 External thread
					H50		Health chuck 50.5
					HG12M		Health thread: G1/2 External thread
					HM12M		Health thread: M1/2 External thread
						M	M12*1 aviation plug

Note: temperature probe plus protective sleeve selection thread G1/2, thread smaller than G1/2 does not support probe rod sheath

Optional accessories - electrical accessories (Factory standard: ZL02-PC02G-P)

name	Outline drawing/dimension drawing (mm)	material	model
M12*1-4Pin (2m cable)		PUR	ZL02-PU02G-P
M12*1-4Pin (5m cable)			ZL02-PU05G-P
M12*1-4Pin (10m cable)			ZL02-PU010G-P
M12*1-4Pin (2m cable)		PUR	ZL02-PC02G-P
M12*1-4Pin (5m cable)			ZL02-PC05G-P
M12*1-4Pin (10m cable)			ZL02-PC10G-P
M12*1-4Pin (2m cable)		PUR	ZL02-PU02W-P
M12*1-4Pin (5m cable)			ZL02-PU05W-P
M12*1-4Pin (10m cable)			ZL02-PU010W-P
M12*1-4Pin (2m cable)		PVC	ZL02-PC02W-P
M12*1-4Pin (5m cable)			ZL02-PC05W-P
M12*1-4Pin (10m cable)			ZL02-PC10W-P

M12* 1-4pin self-connector/size drawing (mm)	model
	GL04 (4Pin joint)
	WL04 (4Pin joint)