

Specific&Performance

- Sensor Range: -200...850°C
- Various cable head are available
- CSA , ATEX approval
- LED/LCD display is available

Application

- Petro chemical
- Ship building
- Machine building
- Energy and power plant technology



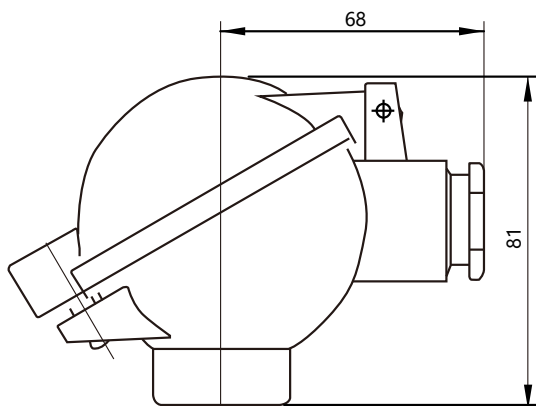
Specification

Temperature sensor	Pt100 or Pt1000		
Sensor accuracy	Class B	$\pm (0.3+0.005^{\circ}\text{t})^{\circ}\text{C}$	
	Class A	$\pm (0.15+0.002^{\circ}\text{t})^{\circ}\text{C}$	
	Class 1/3B	$\pm 1/3^{\circ} (0.3+0.005^{\circ}\text{t})^{\circ}\text{C}$	
Sensor quantity	single or dual		
Connction wire	2-wire, 3-wire or 4-wire		
Output singal	Pt100, Pt1000 or 4-20mA(with transmitter)		
Stem diameter D	6mm		
Stem length EL	from 50mm to 1000mm		
Stem material	316SS or 316LSS		
Process connection	G1/2", M20*1.5, 1/2"NPT		
Neck diameter M	14mm		
Digital display	Please refer our TTID data		
Cable head	Pleare refer the cable head data		
Explosion proof	Exd IICT6(norminal), Exia IICT6(available)		
Temperature transmitter	RTD input: TTIR	Universal input: TTIS	with HART protocol: TTHA
IP protection	IP65 or IP67 (Depends on cable head)		

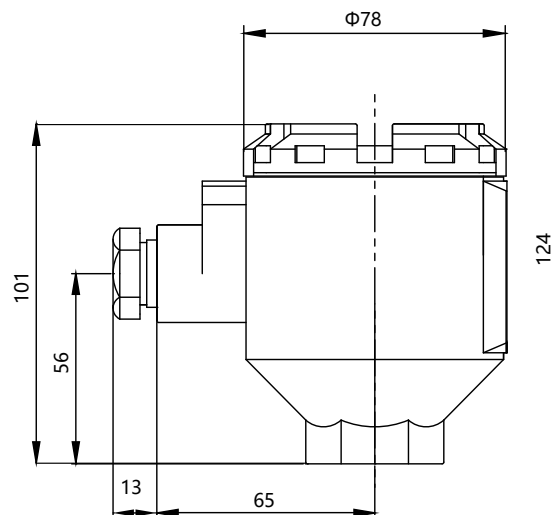
Cable head

Ordering code	Material	Cable connection	IP protection	Display unit
BS	cast aluminium	one M20*1.5	IP65	No
JM	cast aluminium	one M16*1.5	IP65	No
BH	cast aluminium	one M20*1.5	IP65	No
EX	cast aluminium	one M20*1.5	IP67	No
DX	cast aluminium	one M20*1.5	IP67	Available
DD	cast aluminium	two M20*1.5	IP67	Available

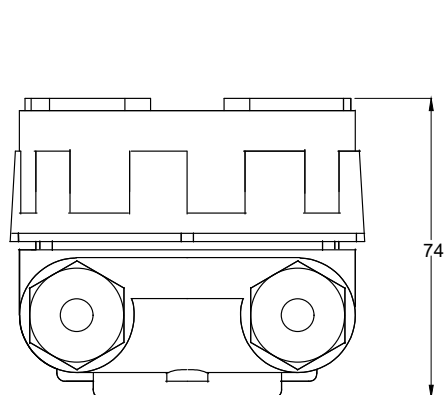
Dimension of terminal head (mm)



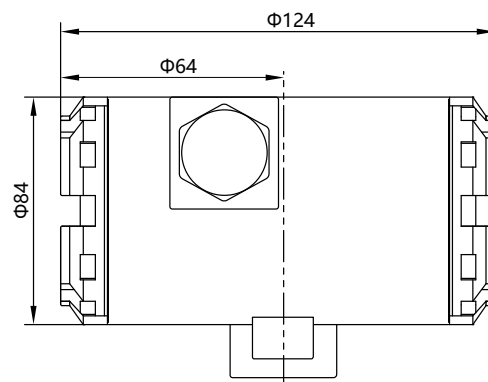
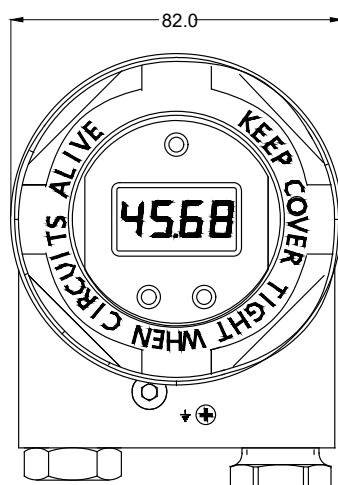
BS connection head



EX connection head

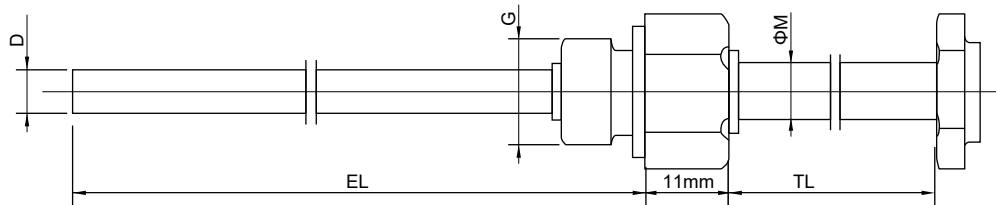


DG connection head



DD connection head

Stem dimension



TER ordering code

	Code	Specification
1.		TER Series
2.		BS Connection head DIN form B type DG DG type Explosion proof (Exd IIC T6) EX Explosion proof (Exd IIC T6) DD Explosion proof, Two cable connection
3.		0 Display type Without E With (Only head code "DX" and "DD" could select)
4.		12 Sensor type 1*Pt100 2-wire 13 1*Pt100 3-wire 14 1*Pt100 4-wire 22 2*Pt100 2-wire 23 2*Pt100 3-wire 24 2*Pt100 4-wire 33 1*Pt1000 3-wire 34 1*Pt1000 4-wire
5.		1 Sensor accuracy (DIN EN60751) Class B 2 Class A 3 Class 1/3B
6.		000 Neck length TL*M(mm) Without 050 50*12 075 75*12 100 100*14 125 125*14 150 150*14 ZZ Others
7.		050 Stem length EL (mm) 50 100 100 150 150 200 200 250 250 XXX length without mm unit 999 1000
8.		6 Stem diameter D (mm) 6 8 8
9.		T Stem material 304SS S 316SS L 316LSS

TER ordering code

		Code	Specification
			Thread connection type
10.		0	Without thread
		1	Fixed thread
		2	Slide union
			Process connection
11.		00	Without thread
		ZM	M20*1.5
		2G	G1/2"
		4G	G1/4"
		2N	1/2"NPT
		4N	1/4"NPT
			Electrical terminal
12.		0	Flying leads
		1	Ceramic terminal block
		2	With temperature transmitter (Please refer related transmitter datasheet)
			Explosive proof
13.		XPS0	Without
		XPS3	Exd IICT6 (Only head code"EX", "DX", "DG" and "DD" available)
		XPS2	Ex ia IICT6