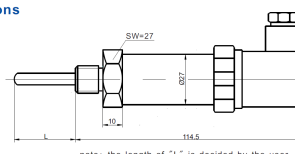


The image displays two views of a high-pressure cell. The left view is a side profile showing a cylindrical body with a long, thin vertical rod extending from the bottom. The top of the cell is a complex, multi-faceted assembly with several small, protruding components. The right view is a front-facing perspective of the same device, highlighting the hexagonal base and the central rod. The entire device is constructed from polished metal, likely stainless steel or titanium, and is set against a solid red background.

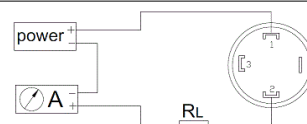
THTB3 general temperature transmitter uses Pt100 thermal resistor as sensing element. The thermal resistor transforms the measured temperature into electrical signal, after this signal is processed, it will be amplified to 4~20mA or other standard simulated signals on industry scene. THTB3 is featured with good performance and stability. It is sealed with epoxy resin, this construction makes THTB3 have good ability on anti-shock and withstand high temperature, also have high mechanical strength, is suitable for the application in bad working condition. THTB3 is made with integrated construction for the direct measurement of various of liquid, gas and solid's surface temperature in the range of 200 ~500. THTB3 has widely been used for temperature measurement in such industries as petroleum industry, chemical industry, spinning and weaving, mine, medicine, electric power, environmental protection, municipal administration, food industry as well as scientific research and so on.

- Use Pt100 or other thermal resistors as sensing element.
- High accuracy low power consumption wide operating ambient temperature range
- Integrated construction, easy installation
- Use full metal sealed construction coordinate high temperature radiation trough

TECHNICAL PARAMETERS			
Temperature measurement element	Pt100 or other thermal resistors	Temperature limit	120% of measured range
Measured medium	solid, gas or liquid compatible to stainless steel	Power supply	10~30VDC(15~30VDC for products with indicator)
Measured medium's temperature	—200℃~+500℃	Long term stability	0.15%FS/year
Insert depth	can be made upon customer's request	Circuit temperature shift	≤±0.75%FS/50℃
Output signal	4~20mA(0~5V,1~5V option)	Response time	<1ms
Accuracy	0.5%FS(standard)	Process connection	M12 x1,5 , G1/4, 1/2NTP
Circuit working temperature range	-30℃~80℃	Electrical connection	hirschmann connector
Storage temperature range	-40℃~125℃	Material of housing	stainless steel



note: the length of "l" is decided by the user



THTB3					
	Range	Output signal	Process connection	Electrical connection	Lenght



THTB3- I	typ I					
THTB3- II	typ II					
	Range	measuring range: -200°C ~+500°C				
	(X1~ X2)°C	X1 – lower limit of actual measured temperature, X2- higher limit of actual measured temperature				
		Code	Output signal			
		O1	4 ~20mA			
		O2	0 ~ 5V			
		O3	1 ~ 5V			
			Code	Process connection		
			P1	G1/4		
			P5	1/2NPT		
			P6	M12x1,5		
			Pz	customer request		
				Code	Electrical connection	
				E1	DIN 43650	
				E2	kabelový konektor	
		Ez		customer request		
	Code	Lenght				
	L	20mm ~ 500mm				

THTB3 -I	(0 ~ 100)°C	O1	P1	E1	50mm
	Range	Output signal	Process connection	Electrical connection	Lenght