

Model TIG

Explosion Proofed Temperature Transmitter with Local Indication

Description

TIG model, has Explosion Proof(Ex d IIC T6) and water-proof(IP67) is idle for a danger area and at the place is required to be waterproofed. Its sensing element is made with PT100. With 4-1/2 Digit Backlight LCD, it can not only display up to ± 19999 but also is visible from the dark place. Its functions, Analog output, Relay output and RS-485 communication, Pressure Unit convertor and Scale adjustment can be utilized with a variety of controller.

Features

- ▶ Explosion proof approval to Ex d IIC T6, IP67
- ▶ 4 1/2 digit Backlight LCD display
- ▶ Built-in amplifier circuit(VDC, mA)
- ▶ Optional 2-channel Relay output
- ▶ Optional RS485 output
- ▶ Measuring range $-50\sim 600^{\circ}\text{C}$
- ▶ 0.2%FS accuracy

Applications

- ▶ Chemical & Petrochemical
- ▶ Process Control & Monitoring
- ▶ Food & Pharmaceutical
- ▶ Plant utility monitoring

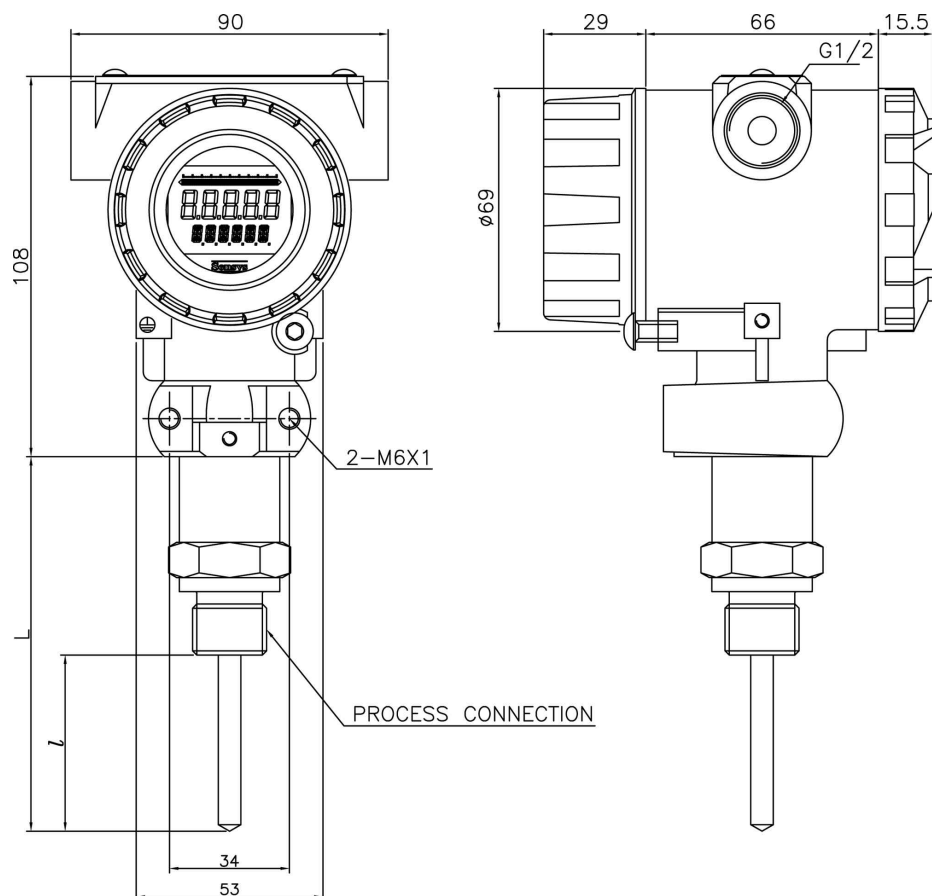
Specifications



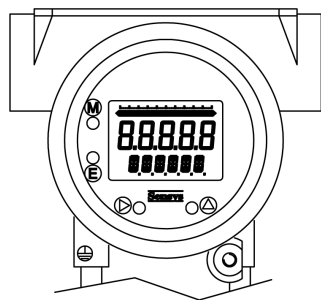
	2Wire Output	3Wire Output
Range	$-50 \dots 600^{\circ}\text{C}$	
Sensing Element	Sheathed RTD(PT100 Ω)	
Performance		
Accuracy	$\pm 0.2\%\text{FS} \pm 1\text{digit}$	
Ambient Temperature Range	$-20\sim 60^{\circ}\text{C}$	
Electrical		
Display	$\pm 19999(4\ 1/2)$ Backlight LCD	
Excitation	11~28VDC	17~28VDC
Output		
Analog	4~20mA(2Wire)	4~20mA(3Wire), 0~5V, 1~5V, 0~10V
Switching(Optional)	—	2Ch Relay(3A 30VDC / 3A 250VAC)
Digital(Optional)	—	RS485
Response Time	0.1~1sec	
Electrical Connection	G(PF) 1/2"	
Physical		
Vibration	49.1m/s ² {5G}, 10~500Hz	
Shock	490m/s ² {50G}	
Process Connection	R(PT)1/4", G(PF)1/4", R(PT)3/8", G(PF)3/8", R(PT)1/2", G(PF)1/2", Flange & Other Connection Available on Request	
Media-Wetted Materials	Stainless Steel 316, Other Available on Request	
Explosion Proof	Ex d IIC T6	
Protection	IP67	
Weight	Approx. 1kg (Standard type only)	

Dimension

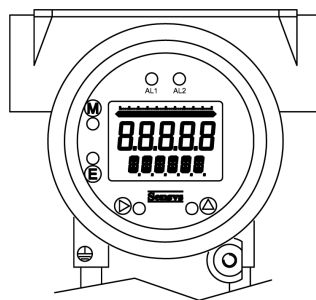
► Out Dimension



► Front Panel

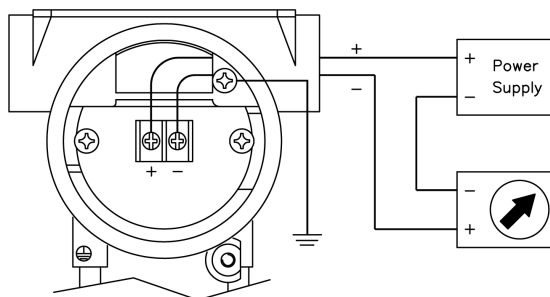


Non Switching Output Type

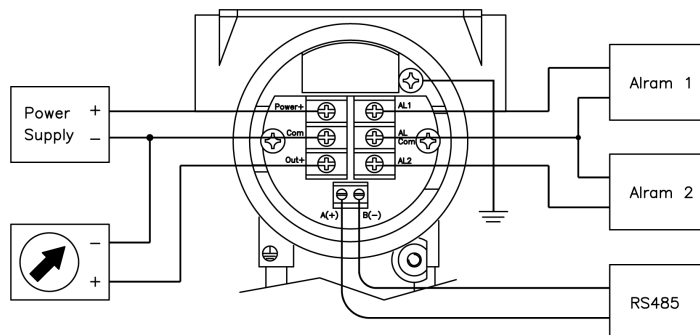


Switching Output Type

► Connection



2Wire Output Type



3Wire Output (Option : Switching Output, RS485)

