



DESCRIPTION

The temperature transmitter TTG is well-suited for use in OEM applications, mobile or industrial. Its high EMI resistance, integrated connectors, stainless steel construction, and high shock and vibration specifications were designed to ensure reliable operation out in the field. Furthermore, the industry-standard analog outputs allows ease of integration while the ability to configure the measuring range allows for optimal accuracy built for your system.

FEATURES

- Stainless steel construction
- Easy to install
- Robust design
- Customizable outputs per request

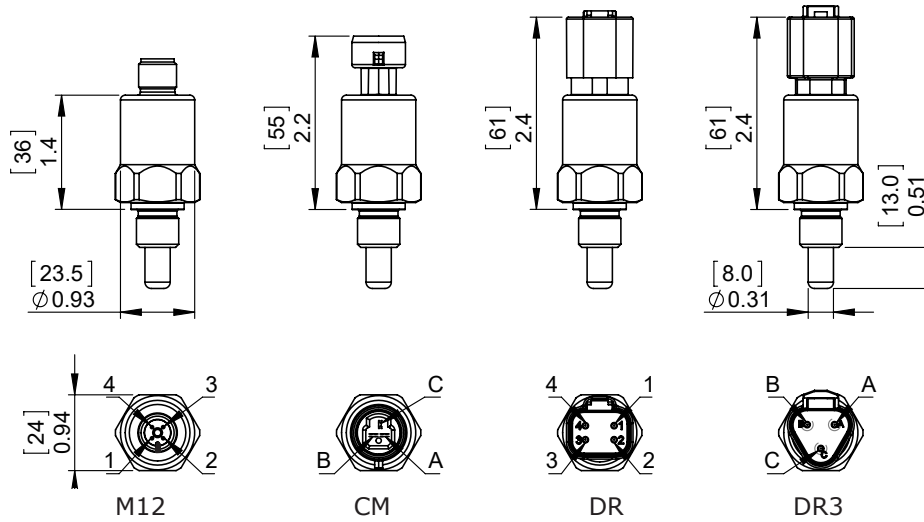
APPLICATIONS

- Hydraulic systems
- Mobile Equipment
- Industrial machinery and machine tools
- Fan cooling circuits

Specifications

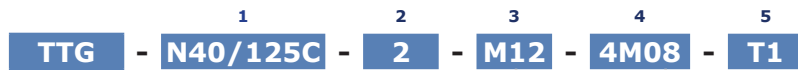
	Fahrenheit	Celcius
Accuracy (Measuring Element)	Between -4°F to 221°F : +/- 0.81°F	Between -20°C to 105°C: +/-0.45°C
	Below -4°F or above 221°F: +/-1.62°F	Below -20°C or above 105°C: +/-0.90°C
Accuracy (Electronics)	Ratiometric Output: +/-0.1% FS Voltage Output: +/-0.25% FS Current Output: +/-0.5% FS	
Ambient Temperature Range	-58°F to 257°F (-50°C to 125°C)	
Media Temperature Range	No Oring: -58°F to 302°F (-50°C to 150°C) With Viton Oring: -13°F to 302°F (-25°C to 150°C) With HNBR Oring: -40°F to 302°F (-40°C to 150°C)	
Max Pressure	8700 psi (600 Bar)	
Protection	Overvoltage	
Ingress Protection	IP67	
Wetted Parts	Housing: 316SS Oring: Viton or HNBR if applicable	
Supply Voltage	Output	Supply
	4 - 20 mA	8 - 30 VDC
	0 - 10V	12.5 - 30 VDC
	0.5 - 4.5V (Ratiometric)	5V +/-0.5
	0.5 - 4.5V	8 - 30 VDC
Power On Time	< 1s	
Compliance	IEC/EN 61000-4-3(2006) IEC/EN 61000-4-4(2004) IEC/EN 61000-4-5(2005) IEC/EN 61000-4-6(2006) ROHS	
Weight	0.15 lbs (0.07kg)	

Dimensions



Connector	Output				
	4 - 20 mA		Voltage		
	Supply +	Supply -	Supply +	Common	Output +
M12	1	3	1	3	4
DR	2	1	2	1	4
DR3	A	B	A	B	C
CM	B	A	B	A	C

Ordering Information



Model:	Temperature Range:	Output:	Electrical Connection:	Process Connection & Seal Material:	Accuracy:
TTG	N40/125C - -40°C to 125°C (-40°F to 257°F)	2 - 4 -20 mA (2 wire)	M12 - M12, 4 pin	4M08 - 1/4" NPT male, 1/2" probe	T1 - +/- 0.45°C*
	N25/125C - -25°C to 125°C (-13°F to 257°F)	3 - 0 - 10 V (3 wire)	DR - Deutsch Receptacle DT04-4P	4G08V - 1/4" BSPP male, G1/4, Type E, Viton 1/2" probe	
	N25/100C - -25°C to 100°C (-13°C to 212°F)	4 - 0.5 - 4.5 V (ratiometric)	DR3 - Deutsch Receptacle DT04-3P	4G08H - 1/4" BSPP male, G1/4, Type E, HNBR 1/2" probe	
	0/100C - 0°C to 100°C (32°F to 212°F)	7 - 0.5 - 4.5 V (3 wire)	CM - Packard, Metripack 150 Series (P25)	6S08V - 9/16-18 SAE male, with O-ring seal, Viton 1/2" probe	
	0/300F* - 0°F to 300°F (-17°C to 149°C)			6S08H - 9/16-18 SAE male, with O-ring seal, HNBR 1/2" probe	
	N50/150C* - -50°C to 150°C (-58°F to 302°F)				

-Maximum temperature exposure limit of electronics is 257°F

-Other material and options available upon request. Custom design available. Please consult factory.

*Please review Specifications section for Accuracy details for this model series

Note: Please see page 63 for other available options