



Customer Service and Product
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Terwin 1100 Series Two Wire Loop Powered Pressure Transducer Conditioning Unit



Description:

The Terwin 1100 Series two wire loop pressure transducer conditioning unit was primarily designed for use with our 2000 series melt pressure transducers, to convert a low level mill volt output into a process signal of 4-20mA DC. However, due to the flexibility of design, they can be used with any 350Ω strain gauge pressure transducer or load cell etc.

The 1100 series requires a supply voltage of between 12 – 36V DC and are provided with tamperproof calibration facilities to enable extruder pressure systems to be adjusted at working temperature, ensuring the best possible accuracy.

When used with our 2000 series transducers, both sections conform to minimum IP65 and are fully compliant with the European electromagnetic compatibility directive for CE approval.

The 1100/2000 series are constructed throughout from stainless steel and do not contain Mercury, Sodium-Potassium or indeed any other toxic substances, allowing them to be used for extrusion of food, film and pharmaceutical products.

Features:

- ✓ Detachable pressure transducer for ease of mounting and cost saving in the event of service being required.
- ✓ Constructed throughout from stainless steel and suitable for use with any 350Ω strain gauge transducer.
- ✓ High performance.
- ✓ Accuracy better than $\pm 0.25\%$.
- ✓ IP65/NEMA 4 rated.
- ✓ Compliant with EN50082 part 1 and EN55022-1987 class A.
- ✓ Built in "Zero" and "80% calibration" adjustment for standard 6-wire melt pressure transducers.

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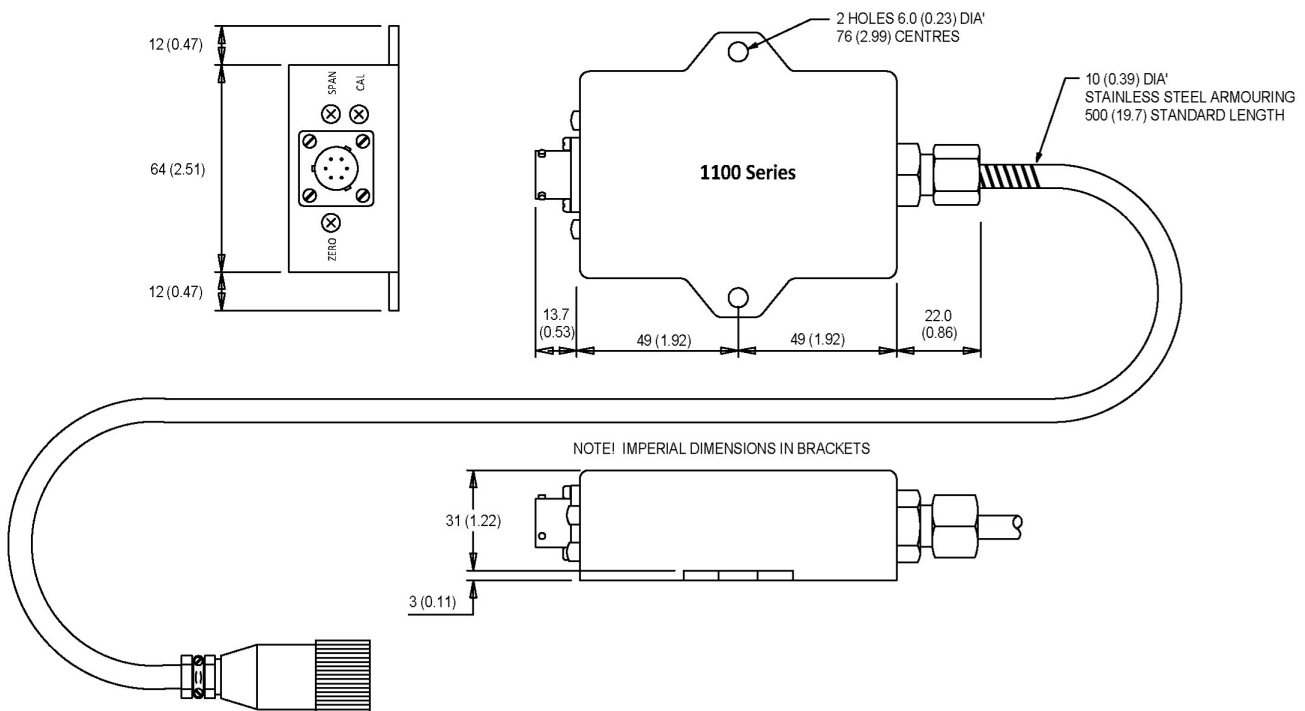


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Specifications

Combined Error	Within $\pm 0.5\%$ F.R.O. (Typically $\pm 0.25\%$)					
Repeatability	Within $\pm 0.1\%$ F.R.O.					
Resolution	Infinite					
Case Material	316 Stainless steel.					
Electrical Specifications:						
Input Voltage:	12 – 36V DC.					
Output:	4-20mA DC.					
Load Resistance:	Please refer to the installation instruction data sheet.					
Zero Balance Adjustment:	$\pm 5\%$					
Span (calibration) Balance Adjustment:	$\pm 5\%$					
Transmitter Electrical Connections:	Fitted with in-line Bendix connector PT02A-10-6P (D6) or equivalent as standard and supplied complete with mating 2.5 metre PVC coated 2-wire input/output lead.					
Pressure Transducer Connections:	Choose:	D9	D8	D6	G	BC
Temperature Specifications						
Transmitter Operating Range:	-40°C to +85°C		-40°F to +185°F			
Transmitter Compensating Range:	0-65°C		32 – 150°F			
Transmitter Zero Drift:	<0.01% of F.R.O./°C		<0.02% of F.R.O./°F			
Transmitter Sensitivity Drift:	<0.01% of F.R.O./°C		<0.02% of F.R.O./°F			
Compliance:	IP65 / NEMA4	EN50082 part 1	EN55022-1987 class A	CE Approved		



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