

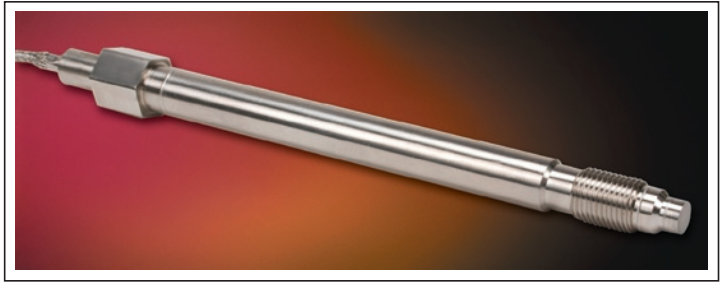


**SUPER HIGH TEMPERATURE
IS® PRESSURE TRANSDUCER**

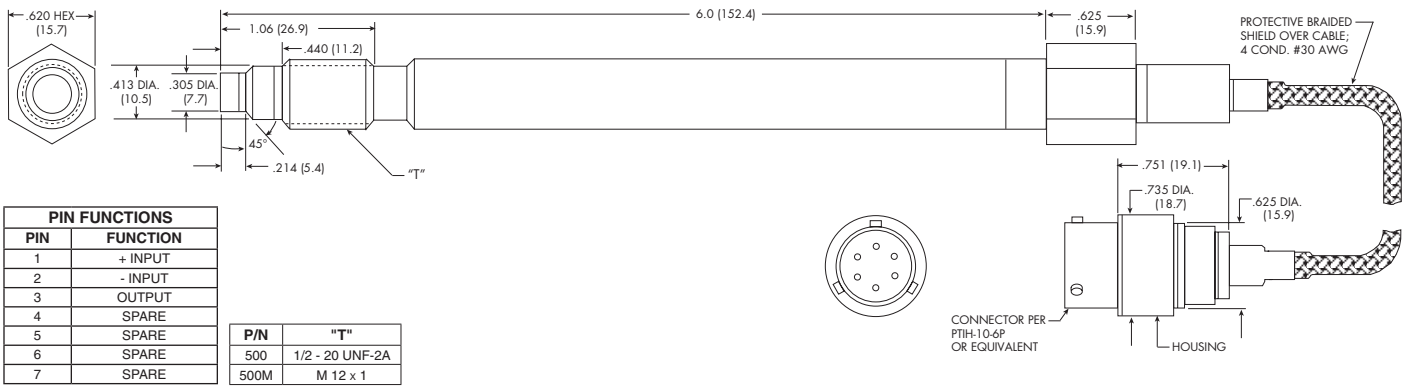
ETMER-MPS-500 (M) SERIES

- -4°F To 750°F Temperature Capability
- Suitable For Most Harsh Environments
- Designed Especially For The Plastics Industry

The ETMER-MPS Series pressure transducer is designed for use in the plastics extrusion industry. With its flush-mount metal diaphragm, it is ideal for pressure measurement of harsh media such as plastic melt.



CONSULT FACTORY FOR SPECS. ON SEALED GAGE



INPUT	35	100	350	700 BAR
Pressure Range	500	1500	5000	10000 PSI
Operational Mode	Absolute, Sealed Gage			
Over Pressure	2 Times Rated Pressure			
Burst Pressure	3 Times Rated Pressure			
Pressure Media	Any Liquid or Gas Compatible With 15-5 PH SS or Inconel 625			
Rated Electrical Excitation	12 ± 4VDC or 28 ± 4VDC			
Maximum Electrical Current	25 mA			
Input Impedance	1000 Ohms (Min.)			
OUTPUT	200 Ohms (Typ.)			
Output Impedance	200 Ohms (Typ.)			
Output Range	0.5V to 10V ± 3% (Other Ranges Available)			
Residual Unbalance	500 mV ± 1%			
Combined Non-Linearity, Hysteresis and Repeatability	± 0.5% FSO BFSL (Typ.)			
Resolution	Infinitesimal			
Bandwidth (-3dB)	DC to 5kHz			
Insulation Resistance	100 Megohm Min. @ 100 VDC			
ENVIRONMENTAL	-4°F to +752°F (-20°C to +400°C) (Front End)			
Operating Temperature Range	-4°F to +185°F (-20°C to +85°C) (Connector)			
Compensated Temperature Range	+80°F to +752°F (+25°C to +400°C) (Other Ranges Available)			
Thermal Zero Shift	± 2.0% FS/100°F (Typ.)			
Thermal Sensitivity Shift	± 2.0% FS/100°F (Typ.)			
Steady Acceleration and Linear Vibration	1,000g. Sine			
PHYSICAL	PTIH-10-6P Connector			
Electrical Connection	PTIH-10-6P Connector			
Weight	170 Grams (Nom.) Excluding Cable			
Pressure Sensing Principle	Fully Active Four Arm Wheatstone Bridge Dielectrically Isolated Silicon on Silicon			
Mounting Torque	75 Inch-Pounds (Max.) 8.5 N-m			

Note: Custom pressure ranges, accuracies and mechanical configurations available. Dimensions are in inches. Dimensions in parenthesis are in millimeters.

Note: Requires external compensation module (Max. temp. 450°F) Please refer to outline drawing.

Continuous development and refinement of our products may result in specification changes without notice - all dimensions nominal.

SUNSTAR自动机 <http://www.sensor-ic.com/> TEL: 0755-83376489 FAX:0755-83376182 E-MAIL: szss20@163.com

KULITE SEMICONDUCTOR PRODUCTS, INC. • One Willow Tree Road • Leonia, New Jersey 07605 • Tel: 201 461-0900 • Fax: 201 461-0990 • <http://www.kulite.com>