ROWE EQUIPMENT, INC.

Your Trusted Source for Plastics Processing Equipment & Supplies

TECHNICAL DATA SHEET

Melt Pressure Transducers

Precision pressure measurement devices for monitoring polymer melt pressure in extrusion and injection molding processes. Critical for process control, quality assurance, and equipment protection.

SPECIFICATIONS

Specification	Details
Pressure Ranges	0-500 PSI to 0-30,000 PSI
Accuracy	±0.25% to ±0.5% full scale
Output Signals	4-20mA, 0-5V, 0-10V, mV/V
Temperature Rating	Up to 800°F (427°C) process temperature
Response Time	<1 millisecond
Overpressure	150% to 200% of rated pressure

AVAILABLE OPTIONS

Option	Description
Rigid Stem	Fixed tip for standard installations
Flexible Tip	Capillary-filled for temperature isolation
Flush Diaphragm	No dead space for clean transitions
Extended Tip	For deep barrel installations
Integral Display	Built-in digital readout
Exposed Tip	Direct melt contact for fastest response

MATERIALS

Material	Properties / Applications
17-4 PH Stainless	Standard wetted parts material

Inconel 718	High-temperature corrosion resistance
Hastelloy C-276	Aggressive chemical resistance
Titanium	Lightweight, corrosion-resistant option

DIMENSIONS & SIZES

Size/Type	Specifications
1/2"-20 UNF	Standard North American thread
M18 x 1.5	European metric thread
3/4"-16 UNF	Large bore installations
Custom Threads	OEM-specific configurations

OEM COMPATIBILITY

Compatible with equipment from: Dynisco, Gefran, RJG, Kistler, Melt Design, GP:50, Terwin

APPLICATIONS

• Extrusion process control • Injection molding • Blow molding • Die pressure monitoring • Screen changer protection • Safety shutdowns

INDUSTRIES SERVED

• Plastics extrusion • Injection molding • Blow molding • Compounding • Recycling • Research and development

ADDITIONAL NOTES

Calibration certificates available. NIST-traceable calibration services offered.

Contact Rowe Equipment, Inc.

Phone: 1-800-848-7693 | Email: sales@roweequipment.com

Website: www.roweequipment.com

© 2025 Rowe Equipment, Inc. All rights reserved.

Technical documentation by Internet Consulting, Inc.™
www.internetconsultinginc.com