

MeltMonitor Alarm Series

Stocked, Distributed, and Supported by
SENSORS
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Features

- Dual 5-digit display
- Peak display function and digital auto-zero
- Programmable alarm relays
- Optional 4 - 20 mA, 0 - 10 Vdc retransmission
- Accuracy better than +/- 0.5%
- Customer definable engineering units

Benefits

- Melt pressure and optional temperature displayed
- Alarm setpoint can be displayed for pressure
- Manual and automatic reset and early warning
- Send high level signals to DCS or PLC
- Accurate over a wide range of temperatures
- Available in PSI, bar, MPa or kg/cm²

Description

The Dynisco Melt Monitor Alarm Series is a melt pressure transducer with an integral digital display. An optional temperature measurement is available. The Melt Monitor has been designed for the rigorous environments of the plastics extruder. Standard features, including the digital auto-zero and peak display function provides easy operation with an accurate pressure measurement. With the optional built in temperature sensor, the display is capable of providing both process pressure and temperature simultaneously. The Melt Monitor comes standard with two programmable alarm relays. The alarms can be programmed for either manual or automatic reset and early warning indication. In addition, these models are provided with two digital inputs for remote reset and remote zero, as well as 4 - 20 mA, 0 - 10 Vdc and 1 - 5 Vdc user selectable, retransmission of the pressure signal.

Specifications

PERFORMANCE CHARACTERISTICS

Ranges: 0 - 500 to 0 - 20,000 psi

Accuracy:

Pressure: +/- 0.5%

Temperature: +/- 0.5%

Sampling Speed: 50 mS

Power Supply: Universal 110/220 Vac or 24 Vdc (optional)

Displays: 5-digit LED's, 0.5" Primary and 0.4" Secondary

Pressure: PSI, bar, RMA or kg/cm²

Resolution: 1 PSI, 0.1 bar, 0.01MPa or 0.1 kg/cm²

Temperature: °C or °F

Resolution: 0.1°C or 0.1°F

LED's: Alarm 1, Alarm 2, IN (Reset), A/B (MODBus)

TEMPERATURE & MECHANICAL CHARACTERISTICS

Electronics Temperature Range: 32 to 158°F (0 to 70°C)

Maximum Diaphragm Temperature: 750°F (400°C)

Humidity: Less than or equal to 80%

Optional Temperature Compensation:

70 to 615°F (20 to 325°C)

Electrical Termination: 2 - 7 pin connectors (included)

Alarms: (2) -1-SPDT + 1-SPST relay, 110 - 220 Vac

Alarm Range Resolution: 00001 - full scale value

Digital Inputs: remote -zero and remote-reset

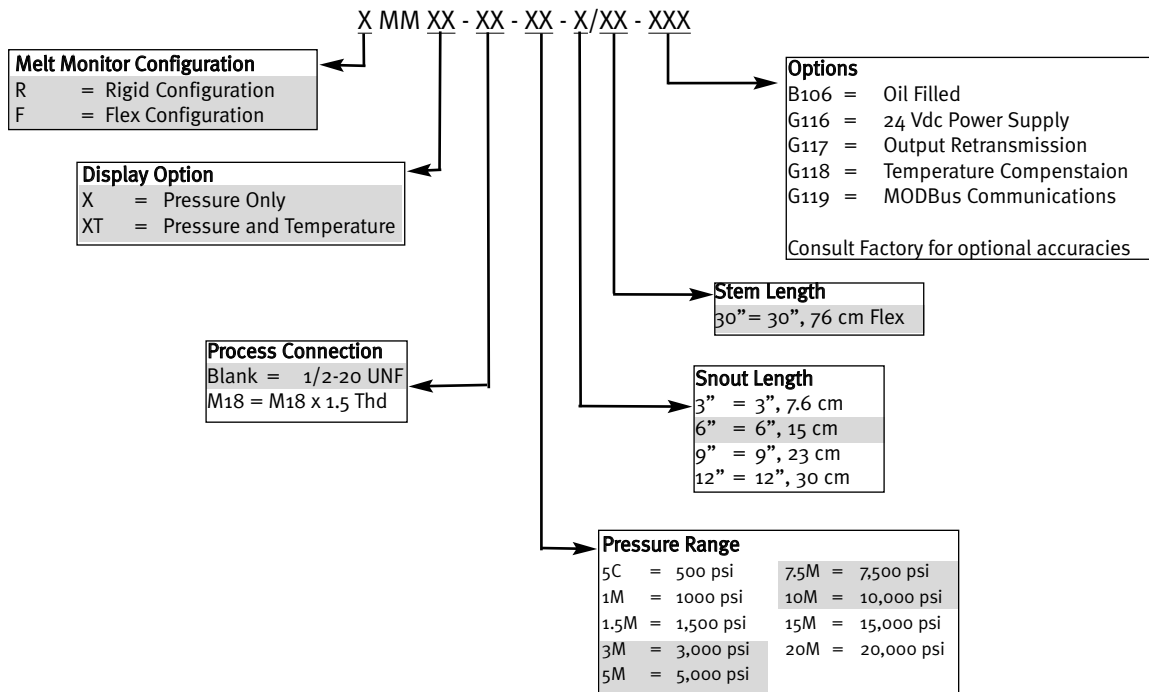
Retransmission Outputs: 4 - 20 mA, 0 - 10 Vdc, 1 - 5 Vdc

Communications: RS-485 MODBus - RTU

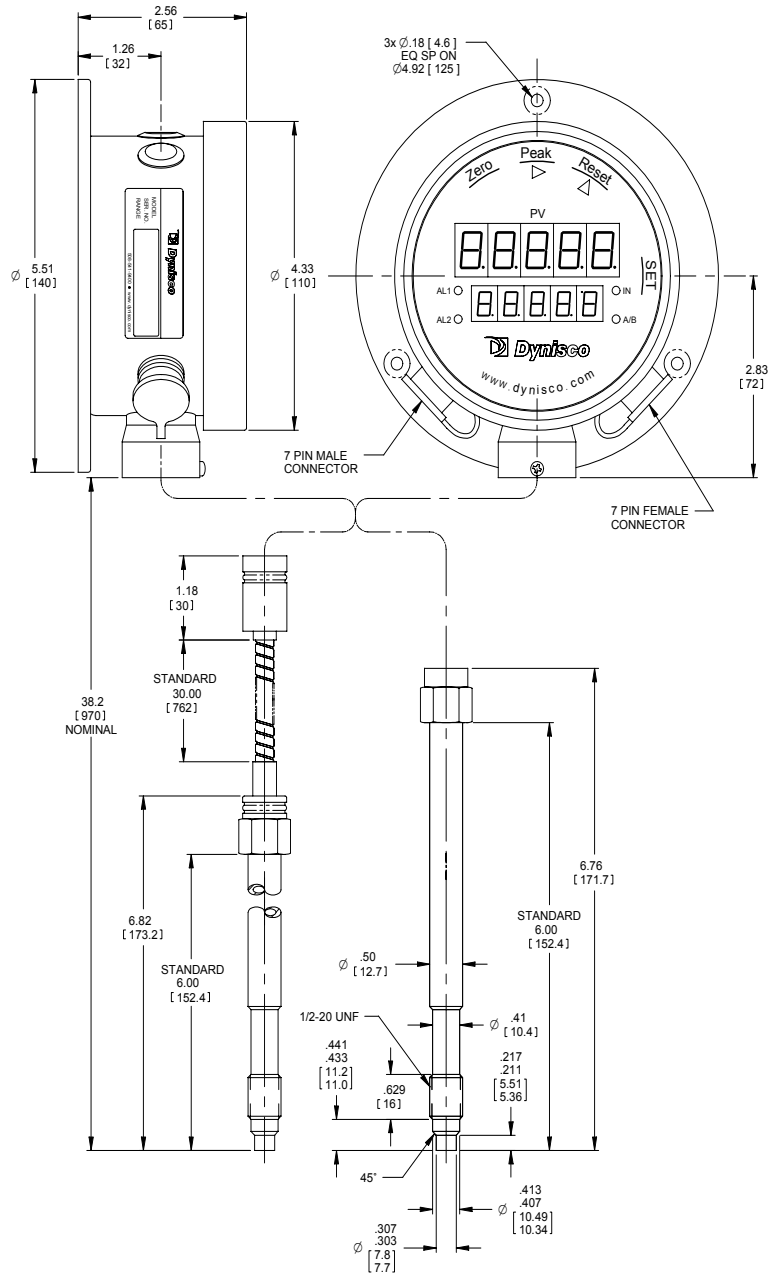
Weight: 2.5 to 3.5 pounds



Ordering Guide



Shaded sections refer to standard configurations. Accuracy may be affected if non-standard configurations are used. For additional options please consult factory.



All dimensions are inches (mm).

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