

Model ASMT Miniature Pressure/Temperature Transducer

- **Miniature Size**
- **10 Bar to 400 Bar Range**
- **Amplified Output**
- **Built-in Temperature Sensor**
- **5V or 8-16V Supply**
- **±0.5% Accuracy**



The ASMT Series of high performance pressure transducers have been designed for high temperature installations on test and measurement applications. These are ideal for high precision data acquisition or control systems.

The transducers offer a high level of reliability and endurance, they are protected against the high vibration, shock and high temperatures found in test and measurement applications. Continuous operation up to 150°C allows for installation in hot zones.

The modular construction and programmable amplifier provide a fast delivery time for standard and custom configurations. Pressure ranges are available between 10bar to 400 bar sealed gauge reference. Industry standard 3-wire electrical connections for the pressure signal and 2-wires for the temperature signal allow configuration with most common ECU's and data logging systems.

The ASMT Series are race proven and can be found in many test applications around the world. For OEM applications we have many options available to customise these transducers at a sensible cost.

Typical applications include: Oil – Fuel – Coolant – Boost – Brakes - Air – Water

Specifications

- **Range: Bar**
Standard ranges: 10, 15, 20, 35, 50, 100, 200, 250, 400
Sealed gauge or Absolute
- **Safe Over Range**
150% of range
- **Burst Pressure**
>300% of range
- **Accuracy**
±0.5% FS combined linearity & hysteresis
- **Thermal Effects**
Zero: ±0.01% FS/°C
Sensitivity: ±0.01% of reading / °C
- **Output**
Pressure: 0.5V to 4.5V (others available)
Temperature: NTC Thermistor
- **Supply**
5V (±0.5V) ratiometric or 8-16Vdc
- **Operating Temperature Range**
-20°C to +150°C
- **Compensated Temperature Range**
0°C to +150°C
- **Construction**
Stainless steel
- **Electrical Connection**
50cm 55spec, 26AWG Cable +DR25 Sleeve
- **Thread size**
M10x1, 3/8-24UNF
- **Protection Class**
IP67
- **EMC Protection**
EN 50082-1
- **Vibration**
Mil-Std-810C, Curve L, 20G
- **Weight**
29g (inc cable)
- **Options**
Cable Length
Thread Size
Connector Fitted
Part Number Labelling

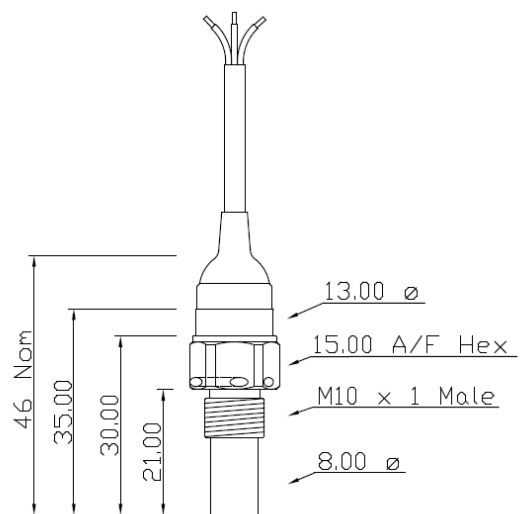
We adopt a continuous development program which sometimes necessitates specification changes without notice

How to Order

- **Please provide information as below:**
Model: ASMT
Range: Bar
Supply Voltage
Thread Size
Connector Fitted
Part Number Label

Standard Configuration

Dimensions in mm



Other Products

- **We offer a wide range of products and services to the Test and Measurement Industry.**
- **Sensors:** Pressure, Force, Torque, Temperature, Acceleration, Displacement, Angle, Speed
- **Other capabilities:** Telemetry, data logging, Electronics design, Controls, Wiring.
Please contact us for additional information.



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