

DPM

DIGITAL PRESSURE MODULE



VENTED GAUGE OR ABSOLUTE

DPM-0.1	-0.1 to 0.1 bar (1.5 PSI)
DPM-1	-1 to 1 bar (15 PSI)
DPM-2	-1 to 2 bar (30 PSI)
DPM-5	-1 to 5 bar (75 PSI)
DPM-10	-1 to 10 bar (150 PSI)
DPM-20	-1 to 20 bar (300 PSI)
DPM-25	-1 to 25 bar (360 PSI)
DPM-40	-1 to 40 bar (600 PSI)

SEALED GAUGE

DPM-70	0 to 70 bar (1000 PSI)
DPM-100	0 to 100 bar (1500 PSI)
DPM-200	0 to 200 bar (3,000 PSI)
DPM-350	0 to 350 bar (5,000 PSI)
DPM-700	0 to 700 bar (10,000 PSI)
DPM-1000	0 to 1000 bar (15,000 PSI)

The DPM is an intelligent module which contains a pressure transducer, temperature sensor, analogue to digital converter, microprocessor and the necessary calibration data stored during DPM calibration. During operation the DPM sends pressure and temperature related information digitally to a PC or can output data directly to a printer at preset intervals.

KEY FEATURES

- **Pressure Measurement Range**
-1 to 1000 bar (15000 psi)
- **Menu-Driven Software to Produce Calibration Certificates**
- **Maximum, Minimum, % of Set Limits and Tare Value Display Functions**
- **DPM Temperature Measurement**
- **Leak Rate Measurement 1 Second to 999 Days**
- **Timed/Event Data Logging on a PC or Printer**
- **Zero & Span Calibration Facility Using PC**

SPECIFICATIONS

PRESSURE RESOLUTION	6 Digits
OVERLOAD PRESSURE	10% FS. Warning is flashing display
PRESSURE UNITS	bar, mbar, MPa, kPa, lb/in ² , kg/cm ² , atm, inH ₂ O, mH ₂ O, mmH ₂ O, inHg, mmHg
TEMPERATURE DISPLAY	Temperature of pressure sensor (Accuracy: ±0.5°C)
OPERATING TEMPERATURE	0 to 40°C (32 to 104°F)
CALIBRATED TEMPERATURE RANGE	10 to 40°C (50 to 104°F)
TEMPERATURE EFFECTS	0.001% of reading / °C between 10 to 40°C
ZERO RESET	Manual - Via PC
PRESSURE MEDIA	Water, Oil, Non-corrosive gases (For other media contact TTI)
HUMIDITY	5 to 95% relative humidity non-condensing
RESOLUTION SELECT	Increase or decrease by a factor of 10 - via PC
COMMUNICATION	RS232 (9 pin D-type connector)
POWER SUPPLY	9V (50 mA) Power Supply Unit (supplied)
DIMENSIONS	4.1 x 1.8 x 1.8 in. (105 x 45 x 45mm), 3.3 ft (1m) cable
WEIGHT	Approx. 0.8 lb. (370 grams)
MATERIAL	Aluminum / Stainless Steel
PRESSURE CONNECTIONS	3/8" BSP male 'quick-fit' / 1/4" BSP or 1/4" NPT male (pneumatic), 3/8" BSP female 'quick-fit' / 3/8" BSP or 3/8" NPT male (hydraulic)
SOFTWARE (SUPPLIED)	Allows the user to control and monitor the DPM remotely through a virtual instrument panel on the computer screen. The data can be logged, viewed and printed in graphical or in a calibration certificate format

* Alternative pressure ranges are available to special orders.

ORDERING INFORMATION

DPM-X* Digital Pressure Module \$ 995

* X = Pressure range