



vibro-meter

PRESSURE SENSORS

Switches

Types:	Gauge Differential Absolute
Operating principles:	Snap action - diaphragm Non-snap action - capsule and diaphragm
Range:	0 - 1000 psi
Operating temperature:	-54°C - +250°C

Transmitters/transducers

Types:	Gauge Differential Absolute
Operating principles:	Capsule based LVDT
Range:	Up to 600 PSI
Operating temperature:	-54°C - +200°C

Vibro-Meter UK designs and manufactures a wide range of pressure devices. Our traditional products are based on diaphragm and capsule technology manufactured to precision standards. Pressure can be measured in absolute, differential or gauge modes and will operate in oil, water, fuels, hydraulic fluids and air pressurised systems.

Typical applications

- Overpressure detection and warning
- Fuel and oil filter blockage detection
- Flow rate for oils, fuels, fluids
- Bleed air pressure systems
- Gauge, differential or absolute



Hydraulic switch
Range 250-1000 psi

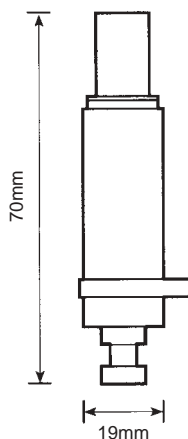


6000 KPT Series
transmitter

New product development

The 6000 KPT Series introduces the next generation of pressure transducers to be offered by Vibro-Meter UK. Designed for the aerospace industry, the 6000 KPT Series offers pressure and temperature outputs in a small, lightweight package. State-of-the-art pressure sensor technology yields low hysteresis, excellent thermal performance and superior long-term drift under arduous operating conditions. The 6000 KPT Series, which is designed to operate over the military

temperature range of -54°C to +125°C, produces a high 10mV/V output signal. An integrated 100 ohm platinum sensor provides an accurate and stable temperature output. Featuring a hermetic, all welded construction, the 6000 KPT Series has a design life in excess of 20 years and an in-service failure rate less than two per million. With an environmental capability to MIL-STD-810 and an electromagnetic compatibility to MIL-STD-461, the 6000 KPT Series is ideal for the most demanding aerospace applications.



6000 KPT Series pressure transducer

General specification

Pressure range:	15 - 5000 psi
Output:	10mV/V
Supply:	10V nominal 18V maximum
Accuracy:	±2% FSD
Operating temperature:	-54°C - +125°C (Fully compensated)
Weight:	70 grams maximum
Predicted failure rates:	Better than two failures per million hours at +50°C

A small lightweight transducer is ideally suited for harsh environments where space is at a premium.

