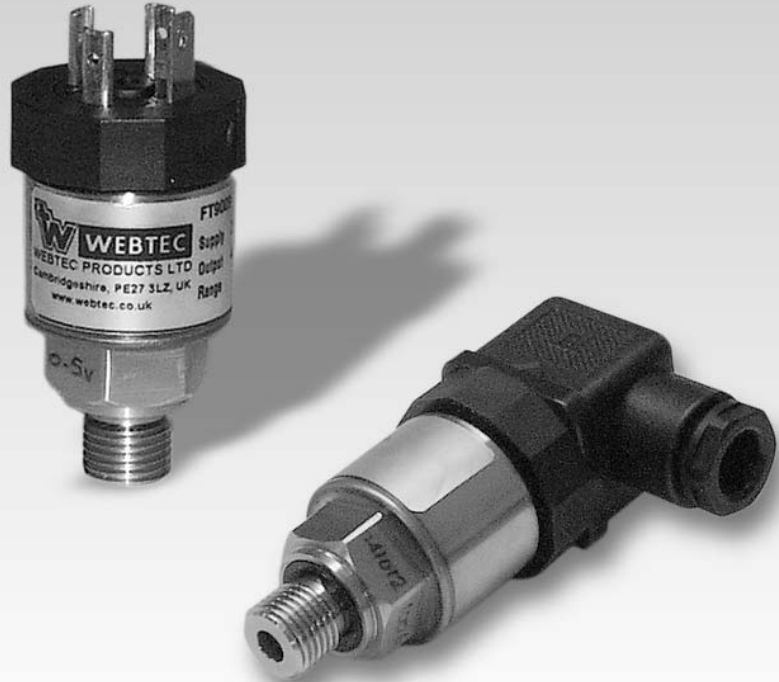


WPT Series

Pressure Transducers and Transmitters



Applications

The WPT pressure sensors are designed for continuous monitoring of oil, gas, water, hydraulic and other pressure media in mobile equipment, industrial hydraulics, compressors and process control equipment.

Economical price and rugged design allows the WPT transducers to be designed into O.E.M. machinery to give control and condition monitoring information.

Combined with one of the wide range of Webster digital readouts both continuous and peak pressures can be measured.

The WPT series utilises thin film techniques along with fully automated production methods to produce a standard of performance previously only associated with high price pressure transducers.

Features

- **ACCURATE** ($\pm 0.15\%$ span)
- **ECONOMICALLY** priced
- **RUGGED** design
- **OUTPUTS** 0 - 5V, 4 - 20mA
- **TEMPERATURE** compensated
- **STAINLESS** Steel wetted parts

Another quality product from the Webster Range

Specification

Pressure Ranges

100, 250, 400 or 700 bar Gauge

Accuracy

Better than $\pm 0.15\%$ span

Proof Pressure

2 times rated pressure up to 700 bar

Temperature Range

Compensated range - 20 to + 80°C

Operating range - 55 to + 120°C

Temperature Effects

$\pm 1.5\%$ span typical

Burst Pressure

3200 bar for 400 bar range

Electrical Characteristics

Output Signal	0 - 5V	4 - 20mA
Supply Voltage Requirement	6.5 - 35Vdc	7 - 35Vdc
Zero Tolerance	adjustable $\pm 1.5\%$ by potentiometer	adjustable $\pm 1.5\%$ by potentiometer
Span Tolerance	$\pm 1\%$	$\pm 1\%$

Resistance

Voltage output: min load resistance

(FS output/2) k Ohms

Current output: max load resistance (Vs-7) Ohms

Electrical Connection

To accept large DIN type connector 43650 sealed to IP65 and NEMA 3. Direct cable connection available. Consult sales office.

Mechanical Construction

The sputtered Thin Film Sensor ensures excellent performance over wide operating temperatures and under extreme conditions of shock and vibration. The stainless steel housing eliminates possible leak paths and affords a robust construction, with an integral viton seal to ensure sealing at high pressures.

Pressure Connection

1/4" BSPF male (1/4" NPT male optional)
(supplied with Viton Seal)

Material

17 - 4PH stainless steel wetted parts

Vibration Tolerance

35G peak sinusoidal 5 Hz to 5 kHz

Mechanical Shock Tolerance

Withstands freefall to IEC 68-2-32 Procedure 1.

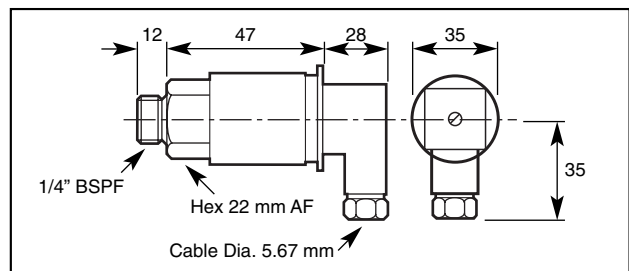
Options and Accessories

Complete range of digital readouts, pressure test points and micro-bore hoses.

Installation

How To Order

Specify readout and transducer as follows: DP 130/WPT 400 BB mA AC is a pressure readout with a 400 bar transducer suitable for a 240 Volt supply. (See DP130 bulletin for details on Digital Pressure readouts)



Ordering Code Typical WPT 400 B B mA

Pressure Range (see Table 1) ———— 400
 Pressure Units (B) - bar ———— B
 Porting (B) 1/4" BSPF, (N) 1/4" NPT ———— B
 Output 4 - 20 (mA), 5 (V) ———— mA

Table 1

Range (bar)	Code
100	100
250	250
400	400
700	700



Certificate No. 8242