



SWPT

Scotia Wireless Pressure Transmitter



Wireless pressure monitoring and recording achieved by incorporating a radio transmitter and pressure transmitter in one stainless steel housing. A remote receiver allows pressure to be displayed or recorded without interconnecting cables.

The transmitter, powered by an internal battery, allows wireless transmission of the pressure reading to the receiver. The mains powered receiver can be up to 500 metres maximum and 200 meters typical as per ESI.

Difficult to access sites and moving or rotating equipment tested without cable twisting or complex scanning valve systems.

The receiver provides a 4-20mA output recorded by any of the Scotia logging systems such as Scotialogger and SDAS.

Data transmission is via a radio transmitter operating at a designated low power UHF telemetry frequency. No licence is required with this equipment.

SCOTIA Wireless Pressure Transmitter (SWPT) General Specifications:

- Featuring Silicon on Sapphire for very high stability and repeatability
- All stainless steel housing
- Wetted parts in various materials
- 4-20mA, two wire output
- Zero and span adjustable
- Ranges 0-500mbar to 0-1500bar
- Built-in low power radio transmitter
- Compliant to Regulatory standards



TRANSMITTER SPECIFICATIONS

Zero offset	<±1% FSO	Operating temperature range	-20 to +80°C
Span tolerance	<±1% FSO	Battery life (Tx)	1000 hours at fastest rate to 9300 hours
Combined non-linearity / hysteresis	<±0.2% FSO	Dimensions	136mm high x 60mm diameter
Repeatability	<±1% FSO	Transmitter range	up to 200m (line of sight)
Long term stability	<±0.2% FSO / 6 months	Radio receiver	mains powered not for outside use
Pressure media compatible with	17/4PH + 304 S.Stl + Titanium		
Transmission Frequency	418 MHz (US), 433 MHz (EU)		

Please note, the frequency must be stated when ordering. It is not legal to use an EU transmitter in the US, or a US transmitter in the EU.

Campus 1 · Aberdeen Science & Technology Park · Balgownie Road · Bridge of Don · Aberdeen · AB22 8GT
Tel +44 (0)1224 222888 · Fax +44 (0)1224 826299

Also at: New York Industrial Estate · North Shields · Tyne & Wear · NE27 0QF
Tel: +44 (0)191 296 3444 · Fax: +44 (0)191 296 3555

sales@scotia-instrumentation.com www.scotia-instrumentation.com