

Pressure Transducer Technical Data Sheet

Overview

The SafeTest Pressure Transducer (PT) allows workers to measure fluid and gas pressure safely and efficiently. With a BlueTooth range of 50 meters, the PT can connect to the wireless MultiTool or Safe Gauge DataLink. The LED on the PT will flash blue when scanning and green when connected to a MultiTool or DataLink.

The PT can be identified by its unique serial, product number and colour. Each pressure reading is displayed with a custom title on the MultiTool or the Safe Gauge Dashboard. Through the MultiTool or Safe Gauge Dashboard, the data can be displayed in psi, kPa, bar, MPa, Kg/cm².

Applications

- Fault finding/diagnostics
- Gas pressure testing
- Hydraulic pressure testing
- Engine pressure testing

Capability

- Reads pressure with 0.2% accuracy across full scale
- 50m BlueTooth range
- Compatible with DataLink & MultiTool
- 36 hour battery life
- Compatible with gas & fluids

Pressure Range

The SafeTest pressure transducer is available in different pressure ranges.

The pressure range is engraved (in bar) on the stainless steel base of the transducer.

The part number is also shown on the display when connected to a MultiTool or DataLink, indicating the pressure range (Example: PT600=600bar).

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Specifications

Electrical	
Power connector	5v power supply
Battery type	Nickel Metal Hydrite
Charging	to be charged by Safe Gauge charging case only
Operating time	36 hours/full charge
LED system	Flashes blue when searching to connect, and green when connected
Battery technology	Internal NiMh (Nickel Metal Hydride) 2.4 volt pack
Battery life cycle	1,000 charging cycles
Charging time	3 hours (from zero to full charge)

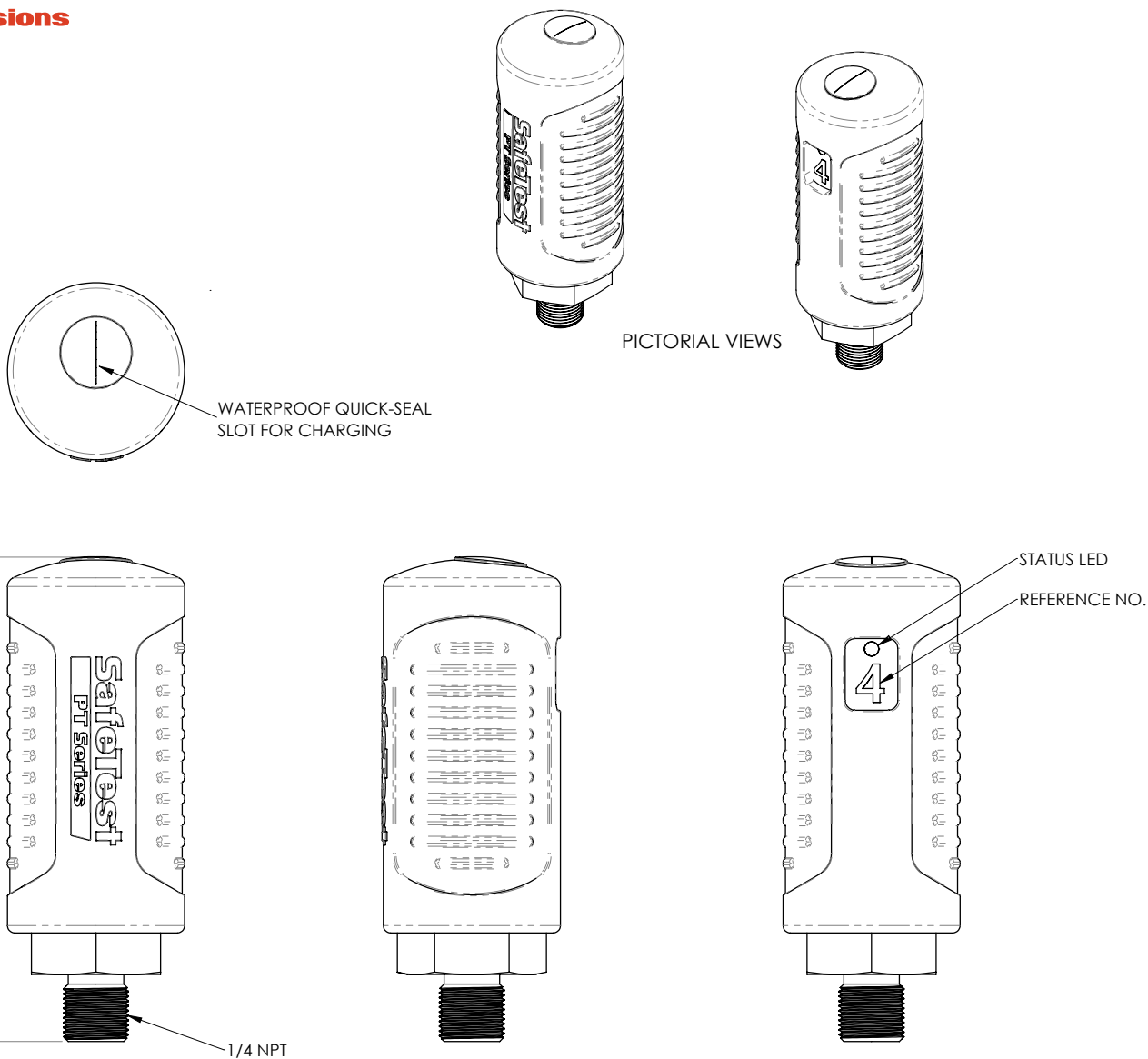
Mechanical	
Dimensions	32mm (diameter) x 100mm (length)
Weight	160g
Connector thread size	1/4" NPT
Pressure measurement range	0-600bar (0-8700psi)
Maximum pressure	PT25 = 0-25bar PT100 = 0-100bar PT300 = 0-300bar PT600 = 0-600bar If you cannot identify a pressure transducer, contact us on 1300 222 392
Suitable materials	Oil & Gas (Grease not recommended)
Accuracy full scale	0.2% Full scale
Max fluid temperature	85 degrees Celsius
Sensor operating temperature	0 - 65 degrees Celsius
Sensor charging temperature	0 - 60 degrees Celsius
Thermal error	Less than 0.02% of full scale per degree Celsius
Calibrated temperature	19.8 +/- 0.2 degrees Celsius
Wrench size	27mm / 1"
Torque specification	35 ft-lbs
Pressure transducer ageing	Less than 0.2% of full scale per year
Calibration	to be performed by Safe Gauge only

Communication	
Radio type	Bluetooth Low Energy (BLE)
Maximum range	50m

Environmental	
Battery disposal	When finished with a Safe Gauge product please return to Safe Gauge Pty Ltd for correct recycling, or follow your local area laws and guidelines for correct battery disposal.
Oil Spills	When connecting the PT, follow the OEM guidelines on the machine to minimise risk of oil spills.

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Dimensions



Compliance

