

## Pressure Transducer Technical Data Sheet

### Application

The SafeTest Pressure Transducer (PT) is used to test hydraulic or gas pressure on mobile plant machinery from 0-600bar.

### Features

- Pressure range 0-600bar
- 50 metres wireless range
- NATA certified calibration
- 36 hour battery life
- 12 months warranty

### Description

The PT connects to the Wireless MultiTool that displays the live pressure reading. Each PT is identified by a number (1-4) and colour which is also displayed on the MultiTool. Every PT comes calibrated from factory with a certificate corresponding with the serial number engraved on the PT.



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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	600bar
Suitable materials	Oil & Gas (Grease not recommended)
Accuracy full scale	0.4% 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 recycle, 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.

### Find out more

For more information on this product contact Safe Gauge Customer Service at [support@safegaug.com.au](mailto:support@safegaug.com.au) or visit the Safe Gauge website: [www.safegaug.com.au](http://www.safegaug.com.au)

Ordering	
Model	Part Number
PT600	PT600 - 01
	PT600 - 02
	PT600 - 03
	PT600 - 04
	PT600 - 05
	PT600 - 06