



SAFE-GAUGE

PRESSURE TRANSDUCER

TECHNICAL DATA SHEET



Maximise
Safety



Eliminate
Live Work



Wireless up to
100m (328ft)



Purpose Built for
Heavy Industry

OVERVIEW

The SafeGauge Pressure Transducer (PT) allows workers to measure fluid and gas pressure safely and efficiently. With a Bluetooth range of 100 meters (328ft), the PT can connect the MultiTool or MultiTool Pro. The LED on the PT will flash blue when scanning and green when connected to a MultiTool or MultiTool Pro.

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

CAPABILITIES

- Available in 2 - 12 Channel Kits
- Up to 100m (328ft) Bluetooth Range
- 40 Hour Battery Life

PRESSURE RANGE

The SafeGauge 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 MultiTool Pro, indicating the pressure range. (Example: PT600=600bar).

APPLICATIONS

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

SPECIFICATIONS

ELECTRICAL	
Power Connector	5V DC jack (contained within kit)
Battery Type	Nickel Metal Hydride
Charging	To be charged by SafeGauge charging case only
Operating Time	40 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
Sample Rate	8 times per second
Charging Time	3 hours (from zero to full charge)

MECHANICAL	
Dimensions	34.7mm (diameter) x 101.2mm (length) (1.37in x 3.98in)
Weight	169g (6oz)
Connector Thread Size	1/4" NPT
Pressure Measurement Range	0-600bar (0-8702psi)

DISCLAIMER - While every effort has been made to ensure the accuracy of this document at the date of issue, SafeGauge assumes no liability resulting from any omissions or errors in this document, and reserves the right to revise content at any time.

SPECIFICATIONS

MECHANICAL	
Maximum Pressure	0-25bar (363 psi) 0-100bar (1450 psi) 0-300bar (4351 psi) 0-600bar (8702 psi) 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°C (185°F)
Sensor Operating Temperature	0-85°C (32 - 149°F)
Sensor Charging Temperature	0-85°C (32 - 149°F)
Thermal Error	Less than 0.02% of full scale per degree Celsius
Calibrated Temperature	19.8 (67.64 deg F) +/- 0.2°C (0.32 deg F)
Wrench Size	27mm (1 1/16 in)
Torque Specification	47.5Nm (35ft-lbs)
Pressure Transducer Ageing	Less than 0.2% of full scale per year
Calibration	To be performed by SafeGauge only
IP Rating	IPX6

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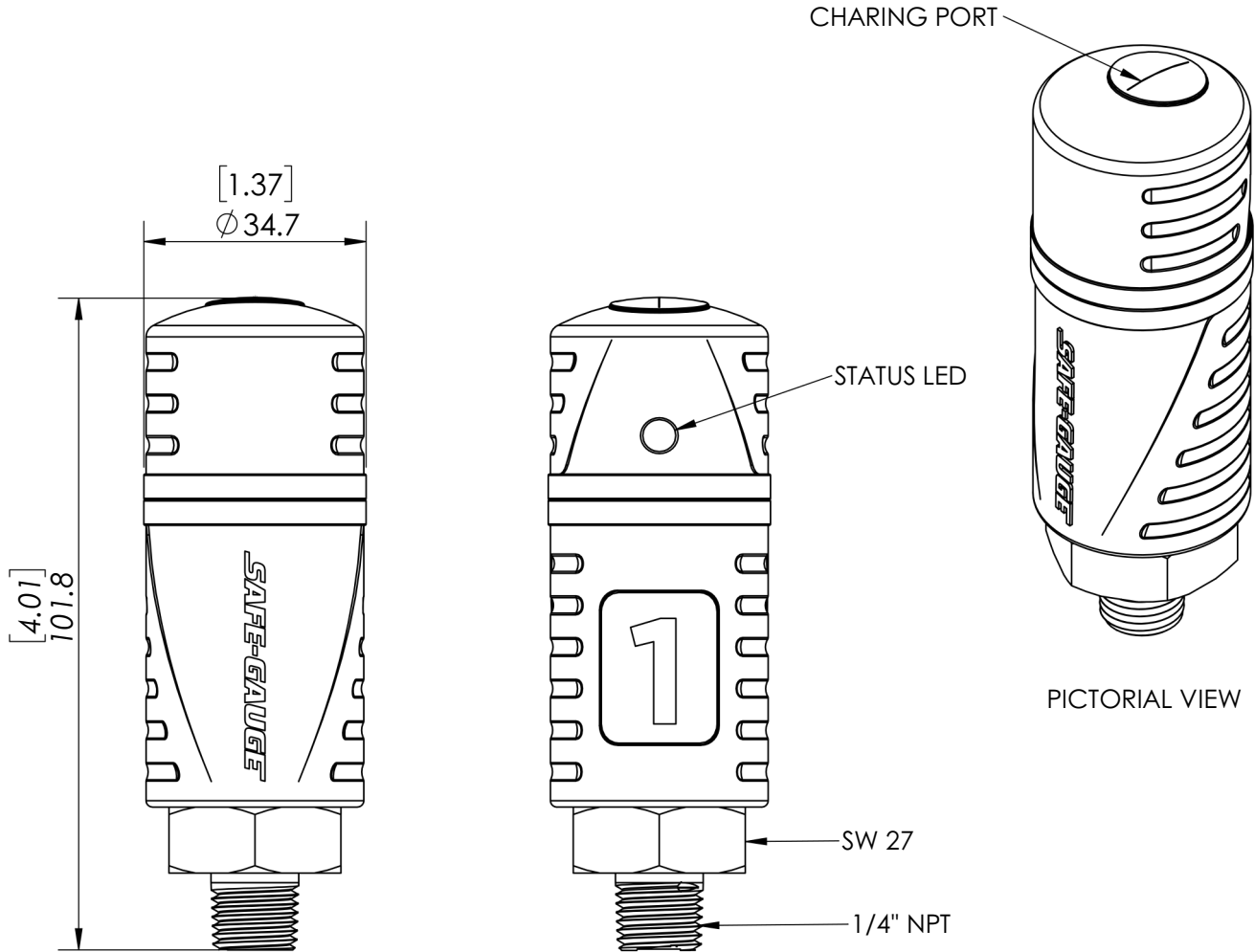
SPECIFICATIONS

COMMUNICATION	
Radio Type	Bluetooth Low Energy (BLE5)
Maximum Range	100m (328ft)

ENVIRONMENTAL	
Battery Disposal	When finished with a SafeGauge product please return to SafeGauge 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



Contains FCC ID: QOQGM210P
Contains IC: 5123A-GM210P

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