



SAFE-GAUGE

PUSH ROD

TECHNICAL DATA SHEET



Maximise
Safety



Eliminate
Live Work



Wireless up to
100m (328ft)



Purpose Built for
Heavy Industry

Overview

The **SafeGauge PushRod (PR)** enables wireless measurement of displacement.

With flexible magnetic mounting and the ability to mount to curved surfaces, it is suitable for a wide variety of applications.

It removes technicians from the live work area, greatly reducing the risk of injury and improving efficiency.

Applications

- Steering links, suspension links, dog bone pins, lift cylinder mounting yokes
- Diagnostics and fault finding
- Measure part wear and tear
- Measure deflection

Features

- Measures 50mm of displacement
- 100m (328ft) Bluetooth Range
- Compatible with the MultiTool and SafeGauge Mobile application
- Connect up to 12* sensors simultaneously

*only available on the MultiTool Pro

Specifications:

Electrical	
Power connector	DC barrel jack
Battery technology	Internal NiMH (Nickel Metal Hydride) pack
Battery life cycle	1000 cycles
Charging	Charge only with SafeGauge charging case
Charging time	4 hours
Operating time	Over 200 hours
Cable length	500mm (1.64ft)

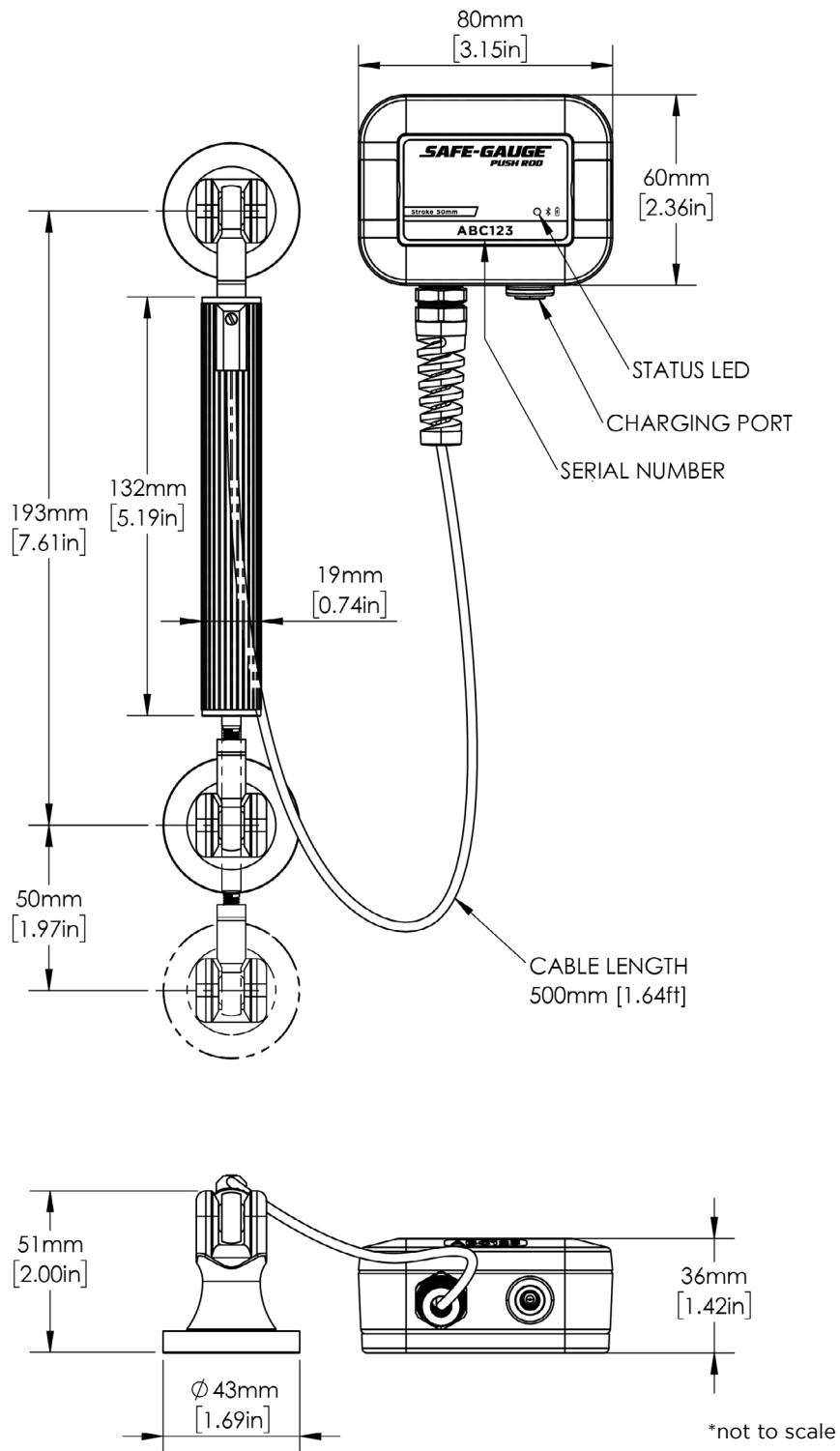
Mechanical	
Weight	440g (15.5oz)
Material	Communication box: ABS plastic Sensor: Aluminium housing with stainless steel shaft
Ingress protection	IP67
Accuracy	+/- 0.5% Full Scale Equates to: +/- 0.05mm (0.002in) over 10mm (0.4in) of travel +/- 0.25mm (0.01in) over full scale
Mounting options	<ul style="list-style-type: none">• Magnetic mounting plates on transmitter box and each end of the sensor• Fixes to any metal surface containing iron• V-Blocks available for mounting on curved surfaces
Measurement stroke	50mm (1.97in)
Calibration	To be performed annually by SafeGauge or an approved Service Partner

Communication	
Communication type	Bluetooth low energy 2.4GHz
Maximum range	Up to 100m (328ft)
Simultaneous sensor connections	<ul style="list-style-type: none">• Wireless MultiTool: 7 sensors• MultiTool Pro: 12 sensors• Mobile App: 2 sensors

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.

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Dimensions



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