

VacTest

Mobile Gauge Piezoresistive – Pirani TPP 900



The mobile gauge TPP 900 is a battery operated handheld solution combining a piezoresistive sensor with a robust spiral coil filament Pirani sensor. This vacuum gauge provides a full and accurate range of pressure measurement from 1200 to $1 \cdot 10^{-4}$ mbar.

- Excellent measurement accuracy
- Wide pressure range
- Gas type independent measurement in high pressure range
- Adjustable gas correction factor in low pressure range
- Battery operated or with external power supply
- Can be used inside a vacuum chamber
- USB interface for data export and visualization
- Data logger for up to 2000 measurements



VacTest TPP 900

Technical data		TPP 900
Measurement principle		Piezoresistive / Pirani
Materials exposed to vacuum		Stainless steel 1.4307, nickel, gold, tungsten, glass, FKM
Filament material		Tungsten
Measurement range	mbar	1200– $5 \cdot 10^{-4}$
Overpressure limit	bar abs.	2
Measurement uncertainty	% full scale	< 0.3% (1200–40 mbar)
	% of reading	< 10% ($40-2 \cdot 10^{-3}$ mbar)
		< factor 2 ($< 2 \cdot 10^{-3}$ mbar)
Resolution	mbar	1 mbar (1200–1000 mbar)
		0.1 mbar (1000–1 mbar)
		2 significant digits (< 1 mbar)
Measuring rate	s	1–6000
Serial interface		USB
Electrical connection		2.5 mm mini-jack for external power supply
Supply voltage		9 V block battery or 15 VDC external
Max. battery operating time	h	100
Power consumption	mW	110
Operating temperature	°C	+5... +50
Protection class		IP40
Weight approx.	g	230
Dimensions (L x W x H)	mm	120 x 60 x 62.5
Vacuum connection		DN 16 ISO-KF

Vacuum gauges	Part number
TPP 900	0656202952
Accessories	Part number
Accessory set: • Alkaline block battery 9V • Protective case • Power supply 100–240 VAC, AC with EURO/US/UK/AUS plugs • Software: VacTest explorer, Pro version • USB interface cable for PC, 2m	0947204607
USB interface cable for PC, 2m	0671204565
Software	Part number
VacTest explorer, Pro version	0870203191
Calibration	Part number
Calibration certificate, 1000 to $1 \cdot 10^{-4}$ mbar	0656204608

For the entire product range please refer to the corresponding leaflets.

www.buschvacuum.com

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Technical data is subject to change. Created in Germany. MG SPAL VACTESTTPP900 Len 05/2018 8Ba