

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
Approximate weight	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: <ul style="list-style-type: none"> • 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

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

Busch LLC

516 Viking Drive | Virginia Beach, VA 23452 | Phone 757-463-7800 | info@buschusa.com | www.buschusa.com

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Technical data is subject to change. Created in Germany. MG SPAL VACTESTTPP900 USen 06/2018 8BA