

VATEST TRP 701/901 D

Mobile gauges



VACUUM SOLUTIONS

Part of the **BUSCH** GROUP



Intuitive operation and handling

Large LCD display for visualization, integrated li-ion battery, rechargeable via USB-C

High performance

Extended measurement range (2,000 to 1 mbar), absolute and relative pressure measurements, gas type independent measurements thanks to piezoresistive measurement principle, real-time clock data logger for multiple measurements and millions of data points, min. 1000 h operating time

Reliable

High industrial standards, robust construction, insensitive against shock venting, robust sensor

Accessories, spare parts and options

- Protectice case
- Plug-in charger 5 V
- VATEST Explorer
- Calibration certificate

VACTEST TRP 701/901 D

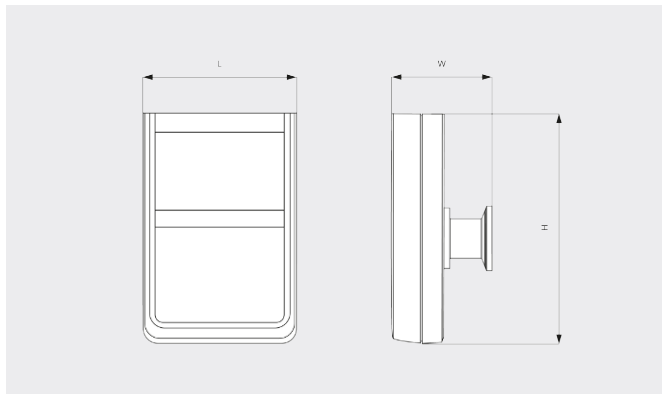
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Dimensional drawing



	VACTEST TRP 701 D	VACTEST TRP 901 D
Measurement principle	Piezoresistive	Piezoresistive
Materials exposed to vacuum	Stainless steel 1.4305, Al ₂ O ₃ -ceramic, FKM	Stainless steel 1.4305, Al ₂ O ₃ -ceramic, FKM
Measurement range absolute pressure	2000 ... 1 mbar (1500 ... 1 Torr)	2000 ... 1 mbar (1500 ... 1 Torr)
Measurement range relative pressure	max. -1060 ... +1200 mbar (-795 ... +900 Torr) (depending on ambient pressure)	max. -1060 ... +1200 mbar (-795 ... +900 Torr) (depending on ambient pressure)
Overpressure limit	4 bar abs.	4 bar abs.
Measurement uncertainty absolute pressure	0.25% of scale end	0.25% of scale end
Measurement uncertainty relative pressure	0.3% of span	0.3% of span
Repeatability of measurement	0.1% f. scale end	0.1% f. scale end
Resolution	1 mbar	1 mbar
Measuring rate	20 ms ... 60 s	20 ms ... 60 s
Serial interface	USB-C and Bluetooth	USB-C
Electrical connection	5 VDC via USB-C	5 VDC via USB-C
Supply voltage	Internal rechargeable lithium-ion battery, 5V	Internal rechargeable lithium-ion battery, 5V
Min. battery operating time	>1000 h	>1000 h
Operating temperature	+5 ... +50 °C	+5 ... +50 °C

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Protection class	IP 40	IP 40
Weight approx.	250 g	250 g
Dimensions (L x W x H)	70 x 46.4 x 105 mm	70 x 46.4 x 105 mm
Vacuum connection	DN 16 ISO-KF, G ¼" female thread	DN 16 ISO-KF, G ¼" female thread
Environment	Interior, degree of contamination max. PD 2 / Rel. humidity max 80% up to 30 °C, max. 50% up to 40 °C / non-condensing	Interior, degree of contamination max. PD 2 / Rel. humidity max 80% up to 30 °C, max. 50% up to 40 °C / non-condensing

DO YOU WANT TO KNOW MORE?

Get in touch with us directly!
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