

VACTEST GTP 100 / GTP 200

Analog transmitter



VACUUM SOLUTIONS

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Flexible

Measurement range (1000 to $1 \cdot 10^{-4}$ mbar), flexible analog output signals (4–20 mA or 0–10 V depending on the model)

Reliable

High industrial standards, robust stainless steel case, insensitive against shock venting, protected and robust spiral coil filament

Efficient

Ultra-low leakage rate $< 5 \cdot 10^{-10}$ mbar · l/s

Accessories, spare parts and options

- Connecting Cable 0-10 V
- Active Sensor Controller CTR 002 for GTP 100
- Calibration certificate

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	VACTEST GTP 100	VACTEST GTP 200
Measurement principle	Pirani	Pirani
Materials exposed to vacuum	Stainless steel 1.4307, nickel, tungsten, glass	Stainless steel 1.4307, nickel, tungsten, glass
Filament material	Tungsten	Tungsten
Measurement range	1000-1 · 10 ⁻⁴ mbar	1000-1 · 10 ⁻⁴ mbar
Overpressure limit	10 bar abs.	10 bar abs.
Measurement uncertainty	< 30% of reading (1000-20 mbar), < 10% of reading (20-2 · 10 ⁻³ mbar), < factor 2 (< 2 · 10 ⁻³ mbar)	< 30% of reading (1000-20 mbar), < 10% of reading (20-2 · 10 ⁻³ mbar), < factor 2 (< 2 · 10 ⁻³ mbar)
Repeatability of measurement	±2% of reading (20-2 · 10 ⁻³ mbar)	±2% of reading (20-2 · 10 ⁻³ mbar)
Leakage rate	< 5 · 10 ⁻¹⁰ mbar · l/s	< 5 · 10 ⁻¹⁰ mbar · l/s
Reaction time	< 200 ms	< 200 ms
Electrical connection	Hirschmann, 6 poles	M12 A, 5 poles
Supply voltage	15-30 V	15-30 V
Max. power consumption	1 W	1 W
Output signal	0-10 V	4-20 mA
Operating temperature	+5 ... +60 °C	+5 ... +60 °C
Protection class	IP40	IP54
Weight approx.	120 g	120 g
Dimensions (L x W x H)	32 × 32 × 66 mm	32 × 32 × 81 mm
Vacuum connection	DN 16 ISO-KF	DN 16 ISO-KF

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