

VACTEST GTP 100 / GTP 200

Analog transmitter



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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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 x 32 x 66 mm	32 x 32 x 81 mm
Vacuum connection	DN 16 ISO-KF	DN 16 ISO-KF

DO YOU WANT TO KNOW MORE?

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