

VACTEST GTP 100 / GTP 200



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

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

VACTEST GTP 100 / GTP 200



Dimensional drawing

The following technical values refer to ISO Hz

| | 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 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

Please contact us!
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