

# 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 <sup>-4</sup> mbar                                                                                             | 1000-1 · 10 <sup>-4</sup> mbar                                                                                             |
| Overpressure limit           | 10 bar abs.                                                                                                                | 10 bar abs.                                                                                                                |
| Measurement uncertainty      | < 30% of reading (1000-20 mbar), < 10% of reading (20-2 · 10 <sup>-3</sup> mbar), < factor 2 (< 2 · 10 <sup>-3</sup> mbar) | < 30% of reading (1000-20 mbar), < 10% of reading (20-2 · 10 <sup>-3</sup> mbar), < factor 2 (< 2 · 10 <sup>-3</sup> mbar) |
| Repeatability of measurement | ±2% of reading (20-2 · 10 <sup>-3</sup> mbar)                                                                              | ±2% of reading (20-2 · 10 <sup>-3</sup> mbar)                                                                              |
| Leakage rate                 | < 5 · 10 <sup>-10</sup> mbar · l/s                                                                                         | < 5 · 10 <sup>-10</sup> 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                                                                                                               |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!  
[busch@busch.com.my](mailto:busch@busch.com.my) or +60 (0)3 55 25 95 00



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