

# VACTEST GRP 100 / GRP 200

Analog transmitter



**VACUUM SOLUTIONS**

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## Flexible

Measurement range (1400 to 1 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, gas type independent

## Efficient

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

Accessories, spare parts and options

- Active Sensor Controller
- 0–10 V Mating plug
- Hose nozzle – G ¼" male adapter
- 0–10 V Connecting cable
- Calibration certificate

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|                             | VACTEST GRP 100                                                     | VACTEST GRP 200                                                     |
|-----------------------------|---------------------------------------------------------------------|---------------------------------------------------------------------|
| Measurement principle       | Piezoresistive                                                      | Piezoresistive                                                      |
| Materials exposed to vacuum | Stainless steel 1.4305, Al <sub>2</sub> O <sub>3</sub> ceramic, FKM | Stainless steel 1.4305, Al <sub>2</sub> O <sub>3</sub> ceramic, FKM |
| Measurement range           | 1400–1 mbar                                                         | 1400–1 mbar                                                         |
| Overpressure limit          | 4 bar abs.                                                          | 4 bar abs.                                                          |
| Measurement uncertainty     | < 0.3% full scale                                                   | < 0.3% full scale                                                   |
| Leakage rate                | < 5 · 10 <sup>-10</sup> mbar · l/s                                  | < 5 · 10 <sup>-10</sup> mbar · l/s                                  |
| Reaction time               | < 20 ms                                                             | < 20 ms                                                             |
| Electrical connection       | Hirschmann, 6 poles                                                 | M12 A, 5 poles                                                      |
| Supply voltage              | 15–30 V                                                             | 9–30 V                                                              |
| Max. power consumption      | 0.6 W                                                               | 0.6 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, G ¼ female thread                                     | DN 16 ISO-KF, G ¼ female thread                                     |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!  
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