VACTEST GRP 100 / GRP 200

Flexible

Measurement range (1400 to 1 mbar), flexible analog output signals (4â€“20 mA or 0â€“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 · 10^{-10} mbar · l/s

Accessories

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

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Dimensional drawing

The following technical values refer to ISO Hz

	VACTEST GRP 100	VACTEST GRP 200
Measurement principle	Piezoresistive	Piezoresistive
Materials exposed to vacuum	Stainless steel 1.4305, Al_2O# ceramic, FKM	Stainless steel 1.4305, Al_2O# 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	$< 5 \cdot 10^{-10}$ mbar · l/s	$< 5 \cdot 10^{-10}$ 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