

VacTest

Analog Transmitter Capacitive GCD 200



The Analog Transmitter GCD 200 is a capacitive vacuum gauge especially designed for steel degassing or other applications requiring accurate pressure measurement in the range of 200 to 0.1 mbar. It is a very robust sensor made of aluminium oxide ceramic combining high reliability and resistance to contamination.

- Gas type independent measurement
- Excellent measurement accuracy
- Chemically resistant ceramic sensor
- Resistant against shock venting and vibration
- Temperature compensated
- Robust stainless steel housing
- Zero adjustment by digital push button
- Ultra low leakage rate $< 5 \cdot 10^{-10}$ mbar · l/s



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Technical data		GCD 200
Measurement principle		Capacitive
Materials exposed to vacuum		Stainless steel 1.4305, Al ₂ O ₃ ceramic, FKM
Measurement range	mbar	200–0.1
Overpressure limit	bar abs.	6
Measurement uncertainty	% full scale	< 0.25%
Leakage rate	mbar · l/s	< 5 · 10 ⁻¹⁰
Reaction time	ms	< 120
Electrical connection		M12 A, 5 poles
Supply voltage	V	9–30
Max. power consumption	W	0.6
Output signal		4–20 mA
Operating temperature	°C	+5...+60
Protection class		IP54
Approximate weight	g	170
Dimensions (L x W x H)	mm	40 x 40 x 71
Vacuum connection		DN 16 ISO-KF, G ¼ female thread

Vacuum gauges	Part number
GCD 200	0656202947
Connection	Part number
4–20 mA Mating plug	0680204573
Accessories	Part number
Hose nozzle-G ¼ male adapter	0574204602

For the entire product range please refer to the corresponding leaflets.

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Technical data is subject to change. Created in Germany. MG SPAL VACTESTGCD200 USen 06/2018 8Ba