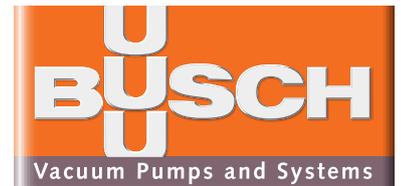


# VacTest

## Analog Transmitters Pirani GTP 100/200



The Analog Transmitters GTP 100/200 are extremely reliable Pirani vacuum gauges equipped with a robust spiral coil filament. These transmitters provide a wide range of pressure measurement from atmosphere to  $1 \cdot 10^{-4}$  mbar.

- Flexible analog output signals (4–20 mA or 0–10 V)
- Protected and robust spiral coil filament
- 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



VacTest GTP 200

VacTest GTP 100

Technical data		GTP 100, GTP 200
Measurement principle		Pirani
Materials exposed to vacuum		Stainless steel 1.4307, nickel, tungsten, glass
Filament material		Tungsten
Measurement range	mbar	1000– $1 \cdot 10^{-4}$
Overpressure limit	bar abs.	10
Measurement uncertainty	% of reading	< 30% (1000–20 mbar)
		< 10% ( $20-2 \cdot 10^{-3}$ mbar)
		< factor 2 (< $2 \cdot 10^{-3}$ mbar)
Repeatability of measurement	% of reading	$\pm 2\%$ ( $20-2 \cdot 10^{-3}$ mbar)
Leakage rate	mbar·l/s	$< 5 \cdot 10^{-10}$
Reaction time	ms	< 200
Electrical connection		GTP 100: Hirschmann, 6 poles GTP 200: M12 A, 5 poles
Supply voltage	V	15–30
Max. power consumption	W	1
Output signal		GTP 100: 0–10 V GTP 200: 4–20 mA
Operating temperature	°C	+5 ... +60
Protection class		GTP 100: IP40 GTP 200: IP54
Approximate weight	g	120
Dimensions (L x W x H)	mm	GTP 100: 32 x 32 x 66 GTP 200: 32 x 32 x 81
Vacuum connection		DN 16 ISO-KF

Vacuum gauges	Part number
GTP 100	0656202945
GTP 200	0656202949

Controllers (0–10 V sensors only)	Part number
Active Sensor Controller CTR 002, 2 channels	0656202928

Connection	Part number
0–10 V Connecting cable, 2m, for CTR 002	0671204566
0–10 V Connecting cable, 6m, for CTR 002	0671204567
0–10 V Connecting cable, 10m, for CTR 002	0671204568
0–10 V Connecting cable, 20m, for CTR 002	0671204569
0–10 V Connecting cable, 2m, with open ends	0671204570
0–10 V Connecting cable, 6m, with open ends	0671204571
0–10 V Connecting cable, 10m, with open ends	0671204572
0–10 V Mating plug	0680204574
4–20 mA Mating plug	0680204573

Calibration	Part number
Calibration certificate, 1000 to $1 \cdot 10^{-4}$ mbar	0656204608

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