





Illustration only

## **TTR 101 S2, Pirani/capacitive gauge with switch points, DN 16 ISO-KF**

- Metal sealed
- Bakeout temperature: 80 °C
- Connector FCC 68/RJ45, 8-pole

Technical Data	TTR 101 S2, Pirani/capacitive gauge with switch points, DN 16 ISO-KF
Output signal: Measuring range	0.61 – 10.23 V
Feedthrough	Glass
Measuring range	$5 \cdot 10^{-5}$ – $1.5 \cdot 10^3$ hPa
Switch-point: Voltage DC	30 V DC
Switch-point: Current DC	0.3 A
Number of switch-points	2 Pieces
Flange, material	Stainless steel
Seal	Metal
Anode	130727
Ambient temperature	10 – 50 °C
Special feature	2 switch points
Accuracy of measurement in range 1	50 % ( $5 \cdot 10^{-4}$ hPa – $1 \cdot 10^{-3}$ hPa)
Accuracy of measurement in range 2	15 % ( $1 \cdot 10^{-3}$ hPa – $1 \cdot 10^2$ hPa)
Accuracy of measurement in range 3	5 % ( $1 \cdot 10^2$ hPa – $9.5 \cdot 10^2$ hPa)
Accuracy of measurement in range 4	2.5 % (of measured value) ( $9.5 \cdot 10^2$ hPa – $1.05 \cdot 10^3$ hPa)
Measuring method	Pirani   Capacitive
Input voltage(s)	15 – 30 V DC
Volume	4.7 cm <sup>3</sup>
Output signal: Minimum load	10 kΩ
Pressure max.	$5 \cdot 10^3$ hPa   $3.75 \cdot 10^3$ Torr   $5 \cdot 10^3$ mbar
Weight approx.	0.12 kg   0.26 lb
Power consumption max.	2.5 W
Connection flange	DN 16 ISO-KF
Filament	Tungsten
Repeatability in range 1	2 % ( $1 \cdot 10^{-3}$ hPa – $1.1 \cdot 10^3$ hPa)

Order number	TTR 101 S2, Pirani/capacitive gauge with switch points, DN 16 ISO-KF
TTR 101 S2, Pirani/capacitive gauge with switch points, DN 16 ISO-KF	PT T11 138 320

Accessories	TTR 101 S2, Pirani/capacitive gauge with switch points, DN 16 ISO-KF
Spare measurement system for PCR 280, TTR 101/S2 DN 16 ISO-KF	PT 120 041 -T



Errors and/or changes excepted. - 5/14/2025

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