



PTR 91, Pirani/Cold Cathode, DN 25 ISO-KF



Similar Image

PTR 91, Pirani/Cold Cathode, DN 25 ISO-KF

- Rugged and dependable
- Insensitive to air ingress
- Without elastomer seal
- Cold cathode sensor externally switchable
- Maximum pressure refers to inert gases and temperatures of less than $< 55\text{ }^{\circ}\text{C}$
- Connector FCC 68/RJ45, 8-pole

Technical Data	PTR 91, Pirani/Cold Cathode, DN 25 ISO-KF
Accuracy: 10^{-8} - 10^2 hPa	$\pm 30\%$
Anode	Molybdenum
Bakeout temperature	Electronic removed, $\leq 150\text{ }^{\circ}\text{C}$
Feedthrough	Glass
Filament	Tungsten
Flange	Edelstahl 1.4435
Measurement range max.	$1 \cdot 10^3$ hPa $0.75 \cdot 10^3$ Torr $1 \cdot 10^3$ mbar
Measurement range min.	$1 \cdot 10^{-8}$ hPa $7.5 \cdot 10^{-9}$ Torr $1 \cdot 10^{-8}$ mbar
Method of measurement	Pirani/Cold Cathode
Nominal diameter	DN 25 ISO-KF
Output signal: Measurement range	1.397–8.6 V
Output signal: Minimum load	10 k Ω
Output signal: Sensor error below	9.5–10.5 V
Repeatability: 10^{-8} - 10^2 hPa	$\pm 5\%$
Sensor cable length	≤ 50 m (0.14 mm ² /wire)
Supply: Power consumption max.	2 W
Supply: Voltage	14.5-30 V DC
Temperature: Operating	5-55 $^{\circ}\text{C}$
Temperature: Storage	40 – 70 $^{\circ}\text{C}$
Volume	19.9 cm ³
Weight	< 280 g

Order number	
PTR 91	PT T03 148 310

Accessories	
Accessories MiniTest 300	
Centering ring with poral filter, FPM/stainless steel, DN 25 ISO-KF	PF 117 225 -T
Measurement cable FCC	
Gauge cable FCC/RJ45, for CenterOne, CenterTwo, CenterThree, 3 m	PT 448 450 -T
Vacuum accessories	
Centering ring with metal mesh-fine filter, pore size 4 μm , FPM/stainless steel	PT 120 036 -T

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