



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



Similar Image

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

- FullRange® gauge with two sensors in one housing
- Very low external magnetic field
- Display range from  $5 \cdot 10^{-9}$  to 1000 mbar
- Compatible with PTR 90
- 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, $\leq 150 \text{ }^\circ\text{C}$   Electronic removed, $\leq 302 \text{ }^\circ\text{F}$   Electronic removed, $\leq 423 \text{ K}$
Feedthrough	Glass
Filament	Tungsten
Flange	Stainless steel 1.4435
Measurement range max.	1000 mbar
Measurement range min.	$1 \cdot 10^{-8}$ mbar
Method of measurement	Pirani/Cold Cathode
Nominal diameter	DN 25 ISO-KF
Output signal: Minimum load	10 k $\Omega$
Output signal: Pressure range	+0.667-+10 V
Output signal: Sensor error below	0.3 V
Pressure max.	10000 mbar
Repeatability: $10^{-8}$ - $10^2$ hPa	$\pm 5 \%$
Sensor cable length	$\leq 50$ m (0.14 mm <sup>2</sup> /wire)
Supply: Power consumption max.	2 W
Supply: Voltage	14.5-30 V DC
Temperature: Operating	5-55 $^\circ\text{C}$   41-131 $^\circ\text{F}$   278-328 K
Temperature: Storage	-40-70 $^\circ\text{C}$   -40-158 $^\circ\text{F}$   233-343 K
Volume	19.9 cm <sup>3</sup>
Weight	$< 280$ g

Order number	
PTR 91	<b>PT T03 148 310</b>

Accessories	
<b>Accessories CenterLine gauges and controllers</b>	
Centering ring with metal mesh-fine filter, pore size 4 m, FPM/stainless steel	<b>PT 120 036 -T</b>
Centering ring with poral filter, FPM/stainless steel, DN 25 ISO-KF	<b>PF 117 225 -T</b>
Gauge cable FCC/RJ45, for CenterOne, CenterTwo, CenterThree, 3 m	<b>PT 448 450 -T</b>

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