



# TTR 91 S, Pirani gauge with set points, DN 16 ISO-KF

## TTR 91 S, Pirani gauge with set points, DN 16 ISO-KF



Similar Image

- Connector FCC 68/RJ45, 8-pole
- For general vacuum applications
- Compact and rugged
- Maximum pressure refers to inert gases

Technical Data	TTR 91 S, Pirani gauge with set points, DN 16 ISO-KF
Accuracy: $10^{-3}$ - $10^2$ hPa	±15 %
Bakeout temperature	80 °C
Feature	Switch point
Feedthrough	Glass
Filament	Tungsten
Flange	Edelstahl
Measurement range max.	$1 \cdot 10^3$ hPa   $0.75 \cdot 10^3$ Torr   $1 \cdot 10^3$ mbar
Measurement range min.	$5 \cdot 10^{-4}$ hPa   $3.75 \cdot 10^{-4}$ Torr   $5 \cdot 10^{-4}$ mbar
Method of measurement	Pirani
Nominal diameter	DN 16 ISO-KF
Output signal: Measurement range	1.9-10 V
Output signal: Minimum load	10 kΩ
Output signal: Sensor error below	0.5 V
Protection category	IP40
Repeatability: $10^{-3}$ - $10^2$ hPa	±2 %
Resolution	1 % of measurement
Response time	80 ms
Seal	Metal
Sensor cable length max.	<100 m (8 · 0.14 mm <sup>2</sup> )
Set point	$2 \cdot 10^{-3}$ - 500 mbar
Set point: Current max.	0.5 A DC
Set point: Voltage max.	30 V DC
Supply: Power consumption max.	≤ 1 W
Supply: Voltage	14-30 V DC
Switching out	SP1, SP2
Temperature: Operating	5-60 °C
Temperature: Storage	20 – 65 °C
Volume	1.5 cm <sup>3</sup>
Weight	80 g

Order number	
TTR 91 S	PT T10 138 320

Accessories	
<b>Measurement cable FCC</b>	
Gauge cable FCC/RJ45, for CenterOne, CenterTwo, CenterThree, 3 m	PT 448 450 -T
<b>Vacuum accessories</b>	
Centering ring with metal mesh-fine filter, pore size 4 m, FPM/stainless steel	PT 120 132 -T
Centering ring with protection filter, pore size 20 m, FPM/stainless steel	PF 117 216 -T

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