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# P0K1.281.6W.B.007

# Platinum sensor with round ceramic housing For medium temperatures

# Benefits & Characteristics

- Same dimensions as a traditional wire wound sensor easy interchangeability into existing applications
- Easy to assemble (boreholes etc.)
- Excellent long-term stability

- Vibration and temperature shock resistant (depending on assembly)
- Fast response time (depending on assembly)
- Low self-heating

#### Illustration



#### Technical Data

Operating temperature range:	-200 °C to +600 °C	
Nominal resistance:*	100 Ω at 0 °C	
Characteristics curve:*	3850 ppm/K	
Long-term stability:	< 0.04 % at 1000 h at maximal operating temperature	
Tolerance class (dependent on temperature range):*	IEC 60751 F0.3 B (IST AG reference)	
Connection:*	Pt-cladded Ni-wire, Ø 0.2 mm (solderable, weldable, crimpable, brazeable), 7 mm long	
Recommended applied current:2)	1 mA at 100 Ω	
<sup>2)</sup> Self-heating must be considered		
Dimensions:	2.8 x 13.0	
Tolerance (chip):	Ø $\pm 0.2$ mm, L $\pm 1$ mm, L $_{\rm W}$ (up to 30 mm) $\pm 1$ mm	

#### **Product Photo**





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# Order Information

Description:	Item number:	Former main reference:
P0K1.281.6W.B.007.R	100372	010.00478

## **Additional Documents**

	Document name:
Application Note:	ATP_E

