



# P1K0.161.6W.Y.010

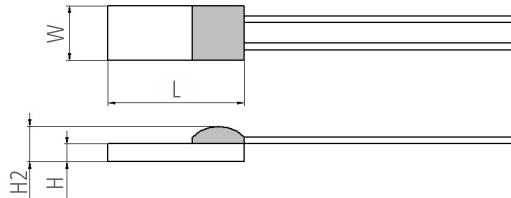
## Platinum sensor with wires

### For high temperatures

#### Benefits & Characteristics

- Excellent long-term stability
- Low self-heating
- Fast response time
- Small dimensions
- Vibration and temperature shock resistant

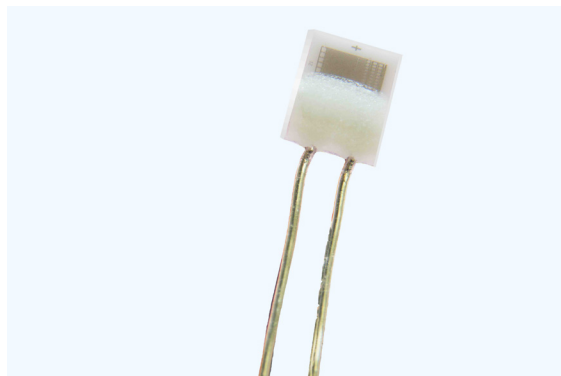
#### Illustration<sup>1)</sup>



#### Technical Data

Operating temperature range:	-200 °C to +600 °C
Nominal resistance:	1000 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 F0.1                      Y (IST AG reference)
Connection:	Pt-cladded Ni-wire, Ø 0.2 mm (solderable, weldable, crimpable, brazeable), 10 mm long
Dimensions:	1.6 x 1.2 x 0.25 / 0.6
Tolerance (chip):	L ±0.2 mm, W ±0.2 mm, H ±0.1 mm, H2 ±0.3 mm

#### Product Photo





## Order Information

---

Description:	Item number:	Former main reference:
P1K0.161.6W.Y.010	100247	010.00222

## Additional Documents

---

Application Note:	Document name:
	ATP_E



Innovative Sensor Technology IST AG, Stegrütistrasse 14, 9642 Ebnat-Kappel, Switzerland  
Phone: +41 71 992 01 00 | Fax: +41 71 992 01 99 | Email: [info@ist-ag.com](mailto:info@ist-ag.com) | [www.ist-ag.com](http://www.ist-ag.com)

All mechanical dimensions are valid at 25 °C ambient temperature, if not differently indicated • All data except the mechanical dimensions only have information purposes and are not to be understood as assured characteristics • Technical changes without previous announcement as well as mistakes reserved • The information on this data sheet was examined carefully and will be accepted as correct; No liability in case of mistakes • Load with extreme values during a longer period can affect the reliability • The material contained herein may not be reproduced, adapted, merged, translated, stored, or used without the prior written consent of the copyright owner • Typing errors and mistakes reserved • Product specifications are subject to change without notice • All rights reserved