

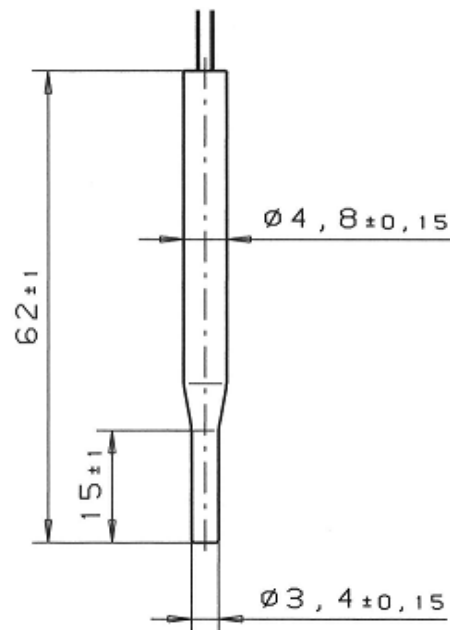
Platinum Resistance Temperature Detector

HT-Tip HDA

The HT-Tip is a universal sensor-tip used to build high-temperature sensors. Its areas of application are the automotive industry, internal combustion engines, exhaust and burners. The tip is characterized by long-term stability, precision over a broad temperature range and compatibility. By using this tip you are able to avoid the most critical steps building thermometers.

Nominal resistance R_0	Tolerance	Order No.
200 Ohm at 0°C	HST +/-4.5K at 0°C; +/-7.5K at 500°C; +/-12,7K at 850°C; +/-15K at 1000°C	-

Specification	HST (Heraeus Sensor Technology)
Temperature Range	- 70°C up to + 850°C (continuous operation) - 70°C up to + 900°C (operation for 500h) - 70°C up to + 1000°C (short time operation)
Temperature coefficient	TCR = 3770 ppm/K
Leads	bare wire, high temperature NiCr alloy
Lead length (L)	tbd
Environmental conditions	depends on installation
Insulation resistance	> 100 MΩ at 20°C
Self heating	tbd
Response time	$t_{0.63} = 8$ s at 22 m/s airflow, 300°C temperature step $t_{0.63} = 10$ s at 12 m/s airflow, 300°C temperature step
Measuring current	5 mA at + 20°C; 2.8 mA at + 850°C
Packaging	tbd
Status	preliminary



We reserve the right to make alterations and technical data printed. All technical data serves as a guideline and does not guarantee particular properties to any products.

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Status: HSTUSA 10/09