



HIGH ACCURACY GLASS TEMPERATURE SENSOR HATSGL Series

The HATSGL single point glass temperature sensor utilizes a high accuracy sensor encapsulated in a 31.75mm L x 9.525mm W x 9.525 mm H (1.25" x .375" x .375") Aluminum probe. Standard wire length is 600 mm (24"). All probes are constructed to provide excellent heat transfer, fast response and are potted to resist moisture penetration.

SPECIFICATION:

Sensor Type Platinum RTD, 1000 Ω, 385 Alpha @ 0°C
 NTC Thermistor, 10,000 Ω @ 25°C, Type 2 or 3
 NTC Thermistor, 20,000 Ω @ 25°C

Temperature Range..... -20 to 105 °C (-4 to 221 °F)
 Higher Ranges Available Contact Greystone

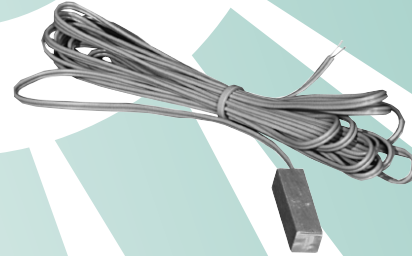
Accuracy **RTD Class A:** ±0.15°C @ 0°C
RTD 1/3 DIN: ±0.1°C @ 0°C
RTD 1/10 DIN: ±0.03°C @ 0°C
NTC Thermistor Type 39 : ±0.05°C, 0-70°C
NTC Thermistor Type 55 : ±0.03°C, 0-70°C
NTC Thermistor Type 40/46 : ±0.1°C, 0-70°C

Wire Material 1.524 m (5') PVC insulated, parallel bonded
 (3 Wire, 1000 ohm Platinum is FT-4)

Probe Material Aluminum

Probe Dimensions..... 31.75mm L x 9.525mm W x 9.525mm H
 (1.25" x 0.375" x 0.375")

Termination Pigtail 2 or 3 wire



PART NUMBER SELECTED

PRODUCT SELECTION INFORMATION:

CODE	Product Description
HATSGL	High Accuracy Duct Temperature Sensor

CODE	Sensor
18	1000 Ω Platinum, 2 Wire, IEC 751, 385 Alpha, thin film, Class A
48	1000 Ω Platinum, 2 Wire, IEC 751, 385 Alpha, thin film, 1/3 DIN
22	1000 Ω Platinum, 2 Wire, IEC 751, 385 Alpha, thin film, 1/10 DIN
41	1000 Ω Platinum, 3 Wire, IEC 751, 385 Alpha, thin film, Class A
49	1000 Ω Platinum, 3 Wire, IEC 751, 385 Alpha, thin film, 1/3 DIN
50	1000 Ω Platinum, 3 Wire, IEC 751, 385 Alpha, thin film, 1/10 DIN
39	10,000 Ω, Type 2, NTC Thermistor, ±0.05 C
55	10,000 Ω, Type 2, NTC Thermistor, ±0.03 C
40	10,000 Ω, Type 3, NTC Thermistor, ±0.1 C
46	20,000 Ω, NTC Thermistor, ±0.1 C

TYPICAL INSTALLATION:

For complete installation and wiring details, please refer to the product installation instructions.

Find a suitable location on an exterior window where both the probe can be mounted. On one side apply epoxy compound and press firmly against the glass. Hold in place until the epoxy has set.

Typical Installation

