

Temperature Sensor
Glass Wire-Wound
Resistance Element
Type GX
(-200°C to +400°C)



*Glass wire-wound
suitable for high
vibration applications*

APPLICATIONS

- Environments subject to high vibration
- Cryogenics
- Accurate temperature measurements in high temperature gradients
- Limited mounting space required
- Food industry
- H.V.A.C.

SPECIAL FEATURES

- No hysteresis
- Small dimensions
- High temperature stability
- Short response time
- High vibration resistance

DESIGN

One or two platinum bands are wound on a glass tube and are protected from environment by a glass layer. The lead wire connection has high pull strength.

NOMINAL VALUE

- 100 Ω at 0°C
- Temperature coefficient $\alpha = 3850$ ppm/K

TOLERANCE CLASS

- IEC 751 : class B, A and B/3
- Closer tolerances in restricted temperature range

TEMPERATURE RANGE

- From -200°C to +400°C

CONNECTION WIRES

- Platinum coated nickel wires

HOUSING ADVICE

- For use in dry environments only

RESISTANCE AND STABILITY

- No hysteresis
- High vibration resistance
- Resistant to external forces and pressure

OPTIONS

- Lead wires length
- Extension cable

Attention : All technical data and recommendations concerning the products and services of our firm are for information purposes only. No data given in our technical datasheets guarantee particular properties to any products. They represent values obtained by experience and are intended as guidelines only. Seller reserves the right to make alterations in illustrations and technical data printed, resulting from further development.

Heraeus Sensor Technology USA

1901 Route 130
North Brunswick, NJ 08902
Phone 732-940-4400 Fax 732-940-4445
Email info.hst-us@heraeus.com
www.hst-us.com

Standard Product

Type GX

Type	Designation	Reference	Nominal reference (Ohm at 0°C)	L	WL	D	AL1	AL2	A	Self-heating in air (K/mW)	Response time			
											Water v = 0,4 m/s		Air v = 1 m/s	
											10,5	10,9	10,5	10,9
											(s)			

Class B

1Pt100	GX 518	32 205 108	100	5	3	1,8	10	-	0,20	0,36	0,14	0,35	8	30
1Pt100	GX 1013	32 205 113	100	10	6	1,3	10	-	0,20	0,39	0,4	1,30	4	12
1Pt100	GX 1018	32 205 118	100	10	6	1,8	10	-	0,20	0,36	0,14	0,35	8	30
1Pt100	GX 1218	34 015 120	100	12	3	1,8	6	-	0,20	0,36	0,14	0,35	8	30
1Pt100	GX 1513	SB0921	100	15	6	1,3	10	-	0,20	0,39	0,4	1,3	4	12
2Pt100	GX 1528	32 205 228	100	15	7	2,8	10	12	0,25	0,20	0,3	1,0	12	45

Class A

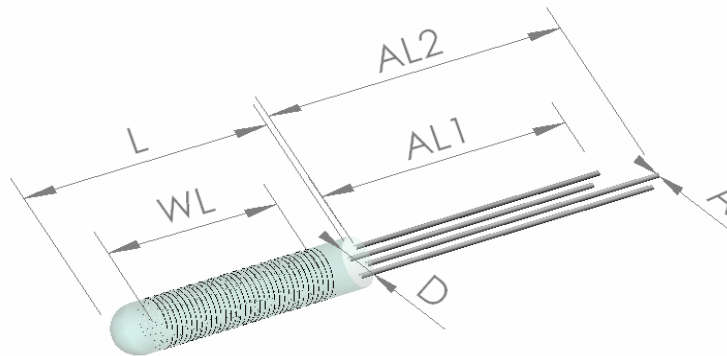
1Pt100	GX 518	32 205 074	100	5	3	1,8	10	-	0,20	0,36	0,14	0,35	8	30
1Pt100	GX 1013	32 205 458	100	10	6	1,3	10	-	0,20	0,39	0,4	1,30	4	12
1Pt100	GX 1218	34 015 121	100	12	3	1,8	6	-	0,20	0,36	0,14	0,35	8	30
1Pt100	GX 1513	SB0920	100	15	6	1,3	10	-	0,20	0,39	0,4	1,3	4	12
2Pt100	GX 1528	32 205 241	100	15	7	2,8	10	12	0,25	0,20	0,3	1,0	12	45

Class B/3

1Pt100	GX 518	32 205 101	100	5	3	1,8	10	-	0,20	0,36	0,14	0,35	8	30
1Pt100	GX 1013	32 205 463	100	10	6	1,3	10	-	0,20	0,39	0,4	1,30	4	12
1Pt100	GX 1513	SB0919	100	15	6	1,3	10	-	0,20	0,39	0,4	1,3	4	12

DIMENSIONAL TOLERANCES :

L	(length of body)	= ± 1mm
D	(diameter of body)	= +0,1-0,3mm
AL	(connection wire length)	= ± 2mm
A	(connection wire diameter)	= ± 0,02 mm



Attention : All technical data and recommendations concerning the products and services of our firm are for information purposes only. No data given in our technical datasheets guarantee particular properties to any products. They represent values obtained by experience and are intended as guidelines only. Seller reserves the right to make alterations in illustrations and technical data printed, resulting from further development.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Industrial Temperature Sensors](#) category:

Click to view products by [Heraeus Sensor](#) manufacturer:

Other Similar products are found below :

[590-32AC34-103-WRI](#) [590-59CN02-103](#) [G9864ST22F0](#) [HEL-705-U-0-12-C1](#) [HEL-736-U-2-36](#) [HEL-717-U-0-24-00](#) [519-39AW09-245](#)
[519-39CH01-295](#) [535-32AB36-202](#) [535-34AE08-303](#) [512-32AQ01-503](#) [521-33AG04-303](#) [521-53BR01-503](#) [E52P6DY4M](#) [535-34AE09-222](#)
[590-32AC34-103](#) [590-32AD05-103](#) [HEL-705-U-0-36-00](#) [HEL-705-U-1-12-C2](#) [E52-CA6D-N 4M](#) [E52-P6DY 2M](#) [E52-P20C-N D=8](#) [E52-](#)
[THE5A 100-200 2M](#) [HRTS-5760-B-T-0-18](#) [6655-71990001](#) [LTPCTGA20MBSIBX01](#) [LTPCTAA20MDSIEX01](#) [BB-HS-104T2505402](#)
[NCP81255MNTXG](#) [HEL-707-T-1-24-00](#) [HEL-716-U-0-24-00](#) [USW2247](#) [R-11614-1](#) [RP103ST22P2](#) [R-10331-3F6](#) [E52-P20AY-D32 4M](#)
[B57045K0222K000](#) [B57045K0154K000](#) [PPG102A6](#) [R-7119](#) [R-8949-34](#) [BB-WTJ-10-36-TT](#) [20006233-00](#) [USW2889](#) [E52-P35C-ND3.2](#)
[NB-PTCO-142](#) [B57045K0682K000](#) [R-10224-16](#) [R-1630](#) [R-8204](#)