

Glass Wire-Wound Pt RTD Elements

Class B (IEC751), Alpha = 0.00385

Glass wire-wound platinum RTD elements are made by winding a platinum wire onto a glass core and then fusing the exterior with glass. They are suitable for low or very high temperatures and are tolerant of thermal shocks.

They offer good vibration resistance (depending on mounting method) and can be immersed (with exception of GX) directly into liquid media.

 MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

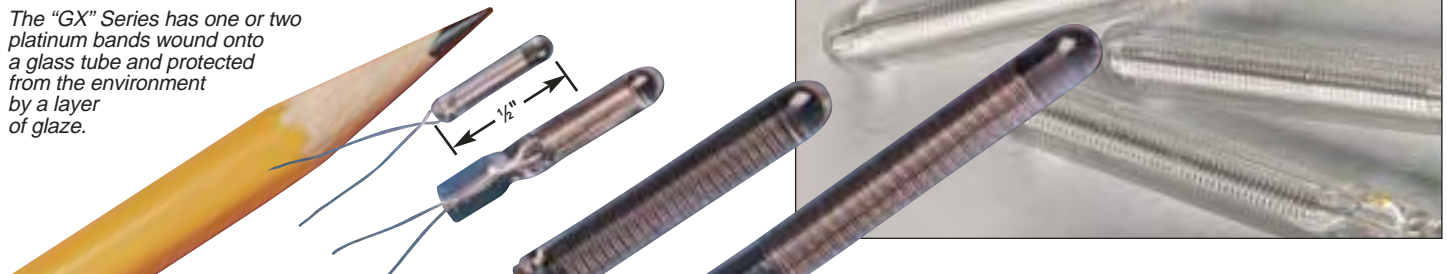
Dimensions in millimeters (1 mm = 0.03937")	Nominal Resistance (ohms)	Temperature Range, °C (°F)	Model No.	Price	Self-Heating Error in C°/mW Flowing Air V = 1 m/sec	Response Time in Seconds			
						Flowing Water V = 0.4 m/sec		Moving Air V = 1 m/sec	
						50% Response	90% Response	50% Response	90% Response
	1 x 100	0 to 600 (32 to 1110)	1PT100G3045	\$94	0.04	0.7	2.0	12.0	38.0
	1 x 100	0 to 600 (32 to 1110)	1PT100G1730	80	0.11	0.7	2.0	8.0	28.0
	1 x 100	0 to 600 (32 to 1110)	1PT100G1050	128	0.12	0.8	3.0	11.0	34.0

Ordering Examples: 1PT100G1730, 1 x 100 Ω, 0.11 glass wire-wound Pt RTD element, \$80.

1PT100G1050, 100 Ω, 5 D x 10 mm L glass wire-wound RTD, \$128.

The glass wire-wound platinum RTD "GO" Series has a platinum band wound into a solid glass core and homogeneously fused with the exterior glass.

The "GX" Series has one or two platinum bands wound onto a glass tube and protected from the environment by a layer of glaze.



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						Flowing Water V = 0.4 m/sec		Moving Air V = 1 m/sec	
						50% Response	90% Response	50% Response	90% Response
	1 x 100	-220 to 400 (-365 to 750)	1PT100GX0518	\$65	0.36	0.2	0.8	8.0	30.0
	1 x 100	-220 to 400 (-365 to 750)	1PT100GX1013	55	0.39	0.2	0.5	4.0	12.0
	1 x 100	-220 to 400 (-365 to 750)	1PT100GX1510	51	0.36	0.2	0.4	2.0	7.0
	2 x 100	-220 to 400 (-365 to 750)	*2PT100GX1528	98	0.20	0.3	1.0	12.0	45.0
	1 x 100	-220 to 400 (-365 to 750)	1PT100GO1020	52	0.26	0.14	0.35	7.0	21.0
	1 x 100	-220 to 400 (-365 to 750)	1PT100GO1327	65	0.11	0.40	1.30	13.0	25.0
	1 x 100	-220 to 400 (-365 to 750)	1PT100GO1545	50	0.09	0.80	2.40	16.0	40.0

* Dual element.

Ordering Examples: 1PT100GX0518, 1 x 100 Ω glass wire-wound Pt RTD element, \$65.

2PT100GX1528, 2 x 100Ω glass wire-wound element, \$98.

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