

Extrusion RTD Probe–Bayonet

- Miniature Design
- Spring Action Bayonet Fitting
- Single Element
- Optional Stainless Steel Braid



The **Extrusion RTD Probe–Bayonet** is a miniature, tip sensitive sensor that is used in a wide variety of industries. The sensor is an economical way to spring load a sensor. The spring length and tension can be adjusted as required. The sensors come standard with a spring loaded bayonet fitting. The bayonet fitting keeps the sensitive portion of the sensor engaged with the process while also providing easy removal of the sensor if necessary.

FEATURES

- Stainless Steel Sheath
- Elements, Single:
 - » Platinum
- Leadwire/Cable Options

APPLICATIONS

- Process
- Hot Melt

dimensions



'Y' = Leadwire/Cable Length

Extrusion RTD Probe–Bayonet

performance specifications

Repeatability:

Less than $\pm .06\%$ change in ice point resistance after 10 consecutive cycles between ice point and 250°C

Long Term Stability:

Less than $\pm .2\%$ ice point resistance shift after 1,000 hours at 250°C

Self Heating:

10 mW/C in water moving 3 feet/sec

Pressure Rating:

1,500 psi

Insulation Resistance:

1,000 megohms @ 500 V, leads to case

Vibration:

Withstands 5 to 500 Hz at 3 g-level peak for 3 hours. Per ASTM E 644, Sec. 10.

Shock:

Withstands 50 g-level peak sine wave shock of 11 milliseconds duration. Per ASTM E 644, Sec. 11

RTD Temperature Accuracy Specifications:

Element Material	TCR	Standard Tolerances at 0°C			
		$\pm .06\%$	$\pm .12\%$	$\pm .2\%$	$\pm .5\%$
Platinum	0.00385	0.15°C, 0.06Ω	0.30°C, 0.12Ω	0.50°C, 0.19Ω	1.20°C, 0.46Ω

ordering info

Extrusion RTD Probe–Bayonet

Model	Temperature Range		
625M	Moderate: -50 to 250°C (-58 to 482°F)		
Model	Element	Accuracy	Temperature Coefficient
P2A	Platinum	100 Ohm $\pm .06\%$ at 0°C	.00385
P2B	Platinum	100 Ohm $\pm .12\%$ at 0°C	.00385
P2C	Platinum	100 Ohm $\pm .5\%$ at 0°C	.00385
Model	Leadwires, Element Configuration		Color Code
3S	Three Wire, Single		Red/Red/White
Model	'Y' Cable Length		
---	Define 'Y' Length in Inches (12 = 12.0")		
Model	'Y' Leadwire/Cable Options		
N	No Options, Stranded TFE Leadwires (36.0" Standard)		
A	1/8" NPT Mounting Adaptor Option		
W	Leadwire Options		

联系方式



深圳市亿为测控电子有限公司
Shenzhen Bill-Well Measurement & Control Electronics Co., Ltd.

广东省深圳市南山区创业路怡海广场东座2407 邮编：518000

电话：+86 755 2641 9890 传真：+86 755 2641 9680

电子邮箱：sales@bill-well.com