

S5 Series Agency Certified Bearing Probes

RTD probes for industrial temperature measurement applications

Minco temperature sensors deliver unmatched performance, value and reliability to meet demanding requirements in a variety of industrial applications. Bearing probes conform to European (ATEX) and International (IECEx) standards for zones 0-2.

Overview

Bearing probes offer reliable performance against bearings or other surfaces, as well as integration in thermowell systems for fluid applications. The angled tip of the probe is designed to match the shape of a drilled hole for optimal thermal contact. Adjustable bayonet connector enables easy positioning of the sensor to ensure spring-loaded contact with the bearing surface.

- ATEX and IECEx certification
- Ingress protection: IP54
- Temperature range up to 260C
- Single or dual element probes
- Class A and Class B tolerances per EN60751 (IEC 751)
- Dielectric strength: <5mA @ 500 VRMS

Expanded Global Certifications

Minco understands the critical requirements of your applications. We will work with you to ensure that our products meet your requirements for testing and industry certifications.

Adjustable bearing temperature sensors are multi-certified for use in the following applications:

- General Requirements
 - EN/ IEC 60079-0
- Intrinsic Safety Component (ZONE 0)
 - EN/ IEC 60079-11, Ex ia
- Increased Safety Component (ZONE 1)
 - EN/ IEC 60079-7, Ex e
- Non-Sparking Component (ZONE 2)
 - EN/ IEC 60079-15, Ex nA



Bearing Probe Configuration Guide

S5	S5 (ATEX/IECEX certifications)					Probe Series
	PA	Single Element, 100 Ohm Platinum, 0.392 TCR			Element Type	
	PD	Single Element, 100 Ohm Platinum, 0.385 TCR, Class B				
	PM	Single Element, 100 Ohm Platinum, 0.385 TCR, Class A				
	PAPA	Dual Element, 100 Ohm Platinum, 0.392 TCR				
	PDPD	Dual Element, 100 Ohm Platinum, 0.385 TCR, Class B				
	PMPM	Dual Element, 100 Ohm Platinum, 0.385 TCR, Class A				
		200	Spring free length in mm (must use 200mm)			Spring Length
			W	3 lead wires per element, IEC EN60751 colors		Number of Leads
			U	4 lead wires per element, IEC EN60751 colors		
				T	PTFE	Lead Wire Insulation
				S	Stainless Steel Braid over PTFE	
				F	FEP Jacket over PTFE	
				R	FEP Jacket over Stainless Steel Braid	
				E	Elastomer Filled Cable	
					1000	Lead Wire Length
					Specify in mm; standard: 300, 1000, 2000, 3000	
S5	PD	200	W	T	1000	Sample Part Number

Additional Capabilities

Minco's broad development, integration and assembly capabilities make us more than just a sensor supplier. Our capabilities enable optimal functional and packaging efficiency, as well as greater flexibility for your organization. We offer:

- Comprehensive development support
- Seamless integration of sensors, transmitters, controllers, heaters, flex circuits and other electronics
- Broad based assembly capabilities

For more information or custom options for Minco bearing probe sensors, contact your local Minco representative.