

S6 Series Agency Certified Probes

RTD probes for industrial temperature measurement applications

Overview

Minco temperature sensors deliver unmatched performance, value and reliability to meet demanding requirements in a variety of industrial applications. S6 series probes conform to European (ATEX) and International (IECEX) standards for zones 0-2.

S6 series probes offer reliable performance against bearings or in air, gas, and fluid measurement applications.

- ATEX and IECEX certification
- Ingress protection: IP54
- Temperature range up to 200°C
- Single or dual element probes
- Class A and Class B tolerances per EN60751 (IEC 751)
- Dielectric strength: <5mA leakage @600 VRMS
- All stainless steel case is standard; copper-tip and high-temperature MgO insulated probes are also available

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.

S6 series temperature sensor probes and assemblies are multi-certified for use in the following applications:

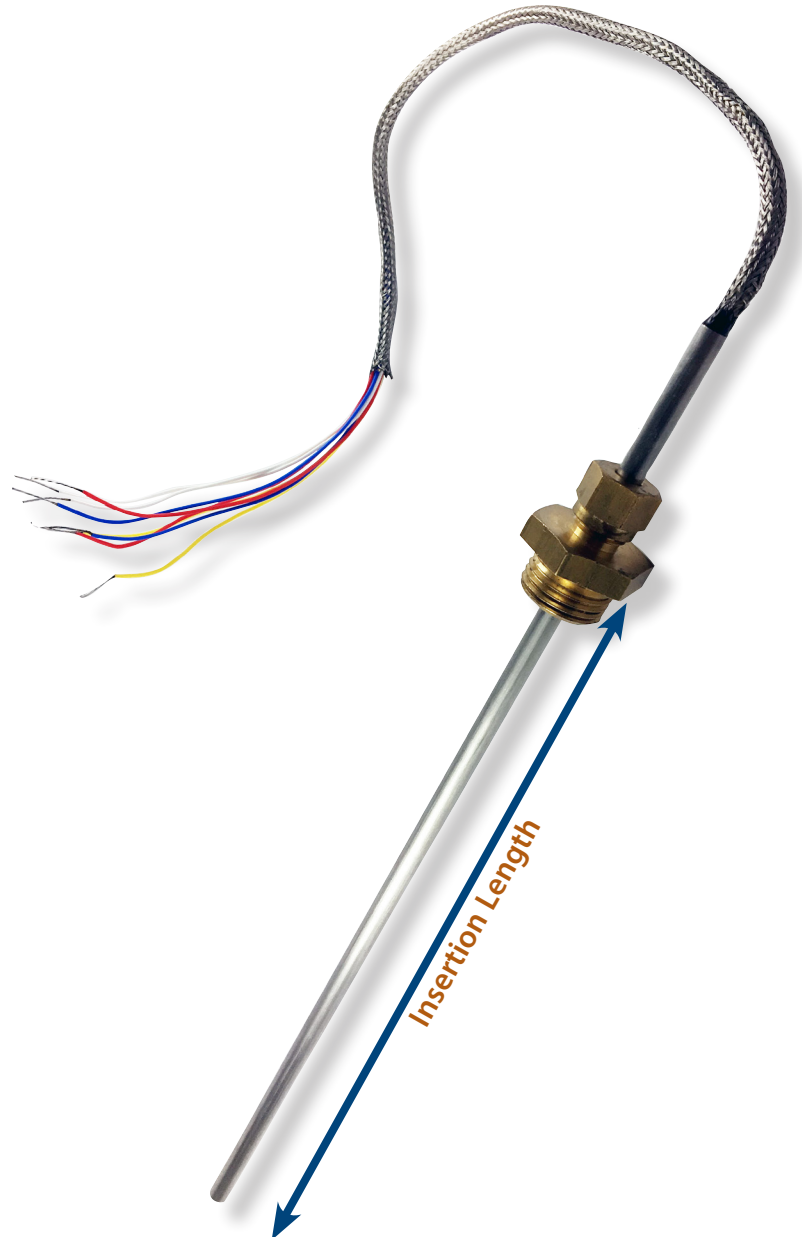
- General Requirements
 - ATEX Directive 2014/34/EU
 - EN/ IEC 60079-0
- Intrinsic Safety Component (ZONE 0)
 - EN/ IEC 60079-11, Ex ia
- Increased Safety Component (ZONE 1)
 - EN/ IEC 60079-7, Ex e
- Non-Sparking Component (ZONE 2)
 - EN/ IEC 60079-15, Ex nA



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



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Probe configuration guide

Consult with the following table to configure your probe and determine its Minco part number.

S6	S6 (ATEX/ICECEX certifications)										Probe Series
↓	M06	6.0mm (0.236")									Probe Diameter
	M08	8.0mm (0.315")									
	M10	10.0mm (0.394")									
	S25	6.4mm (0.250")									
↓	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									
	↓	100	Standard lengths: 100mm (3.9"), 200mm (7.9"), 500mm (19.7mm)							Insertion Length	
		↓	W	3 lead wires per element, IEC EN60751 colors							Number of Leads
			U	4 lead wires per element, IEC EN60751 colors							
			↓	X	No fitting						Compression Fitting
				B	Brass fitting						
			↓	0	No fitting						Process Thread
				1	G1/2						
				5	1/2-14 NPT						
				8	M20 x 1.5						
			↓	S	All stainless steel probe						Probe Type
			↓	0	No Teflon cap						Teflon Cap
				50	Teflon cap, 50mm (2.0")						
			↓	T	PTFE						Lead Wire Insulation
				S	SS Braid over PTFE						
				F	FEP Jacket						
				R	FEP Jacket over SS Braid						
				E	Elastomer-Filled Cable						Lead Length
			↓	1000	Specify in mm; standard: 300, 1000, 2000, 3000						
S6	M06	PD	100	W	B	1	S	50	T	1000	Sample Part Number