

AS6- and 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. AS6- and S6-series probes conform to European (ATEX), International (IECEX), and Chinese (GB 3836) standards for zones 0-2.

AS6- and S6-series probes offer reliable performance against bearings or in air, gas, and fluid measurement applications.

- ATEX and IECEx certification
- CCC and NEPSI certification for China
- 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.

AS6- and 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
 - China GB 3836.1-2010
- Intrinsic Safety Component (ZONE 0)
 - EN/ IEC 60079-11, Ex ia
 - China GB 3836.4-2010, Ex ia
- Increased Safety Component (ZONE 1)
 - EN/ IEC 60079-7, Ex e
 - China GB 3836-3-2010, Ex e
- Non-Sparking Component (ZONE 2)
 - EN/ IEC 60079-15, Ex nA
 - China GB 3836.8-2014, 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

AS6-Series Agency-Certified Probes

Probe configuration guide

Consult with the following table to configure your AS6-series probe and determine its Minco part number.

| AS6 | AS6 (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 Specify in 25mm increments; 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 | |
| ↓ | B DIN form B | Connection Head |
| ↓ | 1 PG16 cable guard | Conduit Thread |
| ↓ | S All Stainless Steel Probe | Probe Type |
| ↓ | 0 No Teflon cap | Teflon Cap |
| | 50 Teflon cap, 50mm (2.0") | |
| AS6 | M06 PD 100 W B 1 B 1 S 0 | Sample Part Number |

S6-Series Agency-Certified Probes

Probe configuration guide

Consult with the following table to configure your S6-series 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 | | | | | | | | | |
| ↓ | 1000 | Specify in mm; standard: 300, 1000, 2000, 3000 | | | | | | | | Lead Length | |
| | ↓ | | | | | | | | | | |
| S6 | M06 | PD | 100 | W | B | 1 | S | 50 | T | 1000 | Sample Part Number |



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