

Instructions: S215832 Non-Sparking Temperature Detector

 II 3 G Ex nA IIC Gc U

Document 2045107 Rev. A

1. Description

Resistance temperature detector probe. Designed for installation/insertion into a bore, but suitable for use in many different configurations. Operating temperature range is -50°C to 200°C, excluding 4.0" REF length of shrink-tubing cover pig-tail leads at end of cable (reduced to -50°C to 125°C).

2. Attestation of Conformity

This Attestation of Conformity is issued under the sole responsibility of the manufacturer.

Temperature detector type: S215832.

The product defined above is in conformity with the following relevant legislation:

ATEX Directive 2014/34/EU

EN 60079-0:2012+A11:2013 Explosive atmospheres - Part 0: Equipment - General requirements

EN 60079-15:2010 Explosive atmospheres - Part 15: Equipment protection by type of protection "n"

 11 July 2017

Rob Bohland, Ex Authorized Person

Minco Products, Inc

7300 Commerce Lane

Minneapolis, MN 55432 USA

3. Installation Instructions

The S215832 temperature detector is suitable for installation in many different configurations. The RTD is typically installed in a dry bore with diameter no less than .260 inches. The sensing end of the probe may be immersed in a fluid (compatible with copper and stainless steel) at pressures no greater than 50 psi.

The temperature detector must be installed in such a way that it is protected against mechanical danger.

4. Special Conditions of Use

Maximum voltage: ≤ 30 V

5. Electrical Data

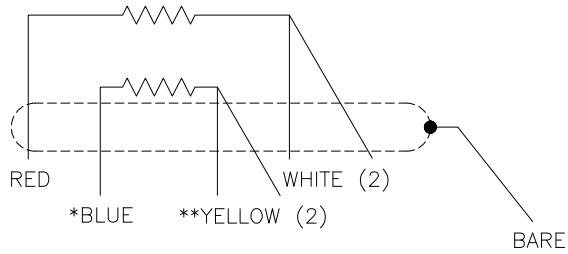
Measuring Current: ≤ 5 mA (≤ 1 mA recommended for accurate measurement)

Power (under default conditions): ≤ 0.50 W

Test voltage dielectric strength test: 500 Vrms, duration 1 minute

6. Electrical Connections

SCHEMATIC DIAGRAM



* Identified with shrink tubing (actual wire insulation color is yellow).

** Identified with shrink tubing (actual wire insulation color is black).

7. Marking Example

MINCO

Minneapolis, MN USA

Model: S215832

Lot batch: 123456-*-*-001

⊕ II 3 G Ex nA IIC Gc U