

Instructions: S200767 Non-Sparking RTD Probe

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1. Description

Resistance temperature detector (RTD) probe. Designed for installation in a bore, but suitable for use in many different configurations. Operating temperature range is -50°C to 200°C, excluding shrink-tubing encapsulated lead-exit end of probe (reduced to 125°C maximum).

2. Attestation of Conformity

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

Resistance temperature detector type: S200767.

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"

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3. Installation Instructions

The S200767 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.

Care should be taken to prevent the shrink-tubing encapsulated lead-exit end of the probe from being immersed in liquid.

4. Special Conditions of Use

Maximum voltage: ≤ 30 V

5. Electrical Data

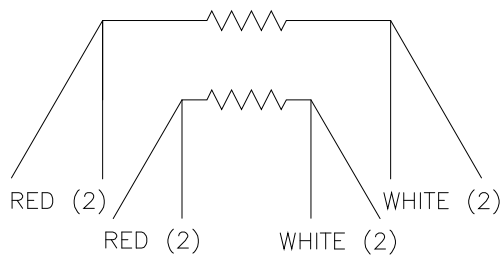
Measuring Current: ≤ 5 mA (≤ 1 mA recommended for accurate measurement)

Power (under default conditions): ≤ 0.50 W

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

6. Electrical Connections

SCHEMATIC DIAGRAM



7. Marking Example

