

Non-Sparking RTD Probe, ATEX Ex II 3 G Ex nA IIC U

1. **Description** Resistance temperature detector probe. Designed for installation in a bore, but suitable for use in many different configurations. Operating temperature range: -50°C to 200°C , excluding shrink-tubing encapsulated lead-exit end of probe (reduced to: -50°C to 125°C).
2. **Installation Instructions**

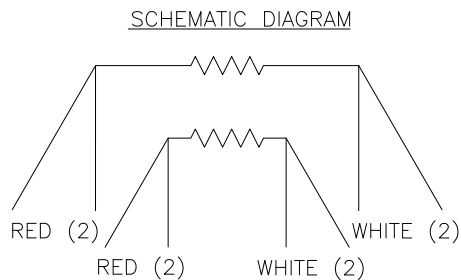
The S200767 temperature detector is suitable for installation in many different configurations. The RTD is typically installed in a dry bore with diameter no less than .260 inches. The sensing end of the probe may be immersed in a fluid (compatible with copper and stainless steel) at pressures no greater 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.
3. **Electrical Data**

Measuring Current:	$\leq 5 \text{ mA}$ ($\leq 1 \text{ mA}$ recommended for accurate measurement)
Power (under default conditions):	$\leq 0,50 \text{ W}$
Test voltage dielectric strength test:	500 V r.m.s. , duration 1 minute

4. Electrical Connections



5. Declaration

EC Declaration of Conformity

Resistance temperature detector probe model S200767 defined above conforms to:
 EN60079-0 Electrical apparatus for explosive atmospheres – general requirements
 EN60079-15 Electrical apparatus for explosive atmospheres – Part 15 Construction, Test and Marking of Protection "n" electrical apparatus

Justin N. Biesboer

Justin N. Biesboer, Design Engineer, 27 June 2012