

Instructions: AS207130 Non-Sparking RTD Probe Assembly

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1. Description

Resistance temperature detector probe assembly consists of S200767 or S200768 RTD probe, FG810 spring-loaded holder, CH360 connection head, and FG519 or FG550 cable gland.

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), and cable gland (reduced to -25°C to 40°C).

2. Attestation of Conformity

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

RTD Probe Assembly type: AS207130.

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 AS207130 RTD probe assembly is suitable for installation in many different configurations. The RTD probe 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 (note that the FG810 does not provide a fluid/pressure seal).

The probe 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.

Refer to individual product specification drawings (S200767/S200768, FG180, CH360, FG519/FG550) for further details.

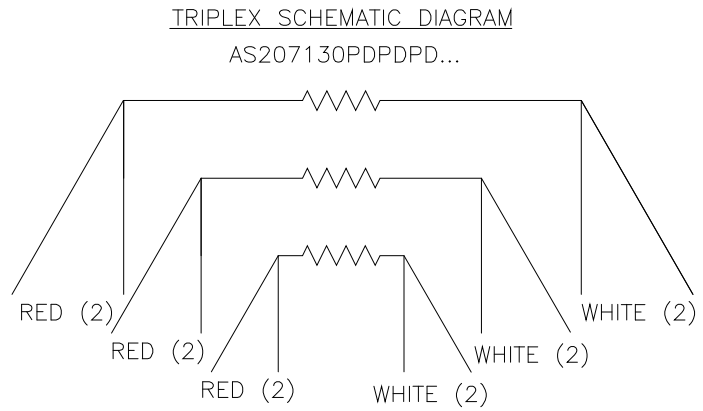
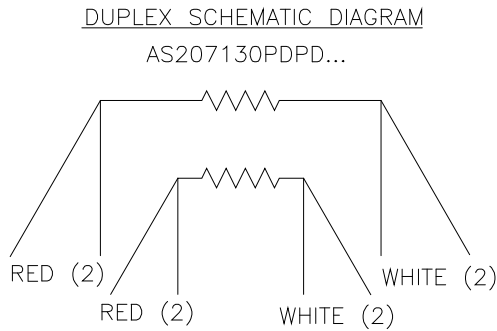
4. Special Conditions of Use

Maximum voltage: ≤ 30 V

5. 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 Vrms, duration 1 minute

6. Electrical Connections



7. Marking Example

