

Instructions: AS200766 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, FG519 or FG550 cable gland, and TW248 thermowell.

Designed for installation through pipe or other housing wall, for immersion directly in process fluid. 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: AS200766.

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 AS200766 RTD probe assembly is designed to be installed through a pipe wall, bearing housing, or similar. The TW248 thermowell is first threaded into the process via 3/4-14 NPT pipe thread. The FG810 spring-loaded holder is threaded into the TW248, and the S200767/S200768 RTD probe is inserted through the holder until it bottoms out in the thermowell. The CH360 connection head threads onto the FG810 holder, and the FG519/FG550 cable gland threads into the connection head, and is used to seal around cabling to be leaving the connection head.

The S200767/S200768 probe must be installed in TW248 thermowell for protection against mechanical danger.

Care should be taken to prevent the shrink-tubing encapsulated lead-exit end of the S200767/S200768 probe from being immersed in liquid.

Refer to individual product specification drawings (S200767/S200768, FG180, CH360, FG519/FG550, TW248) for further details.

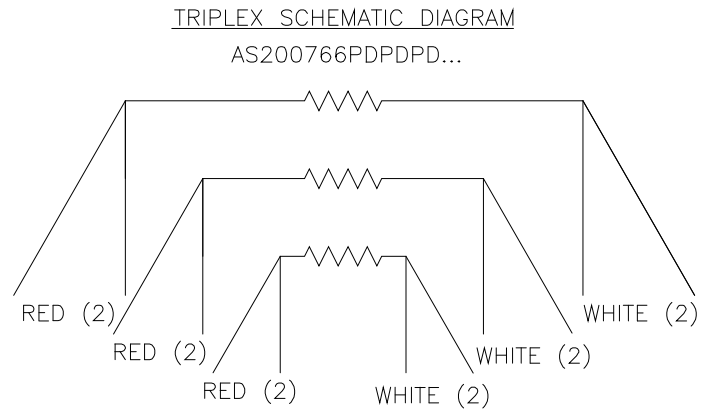
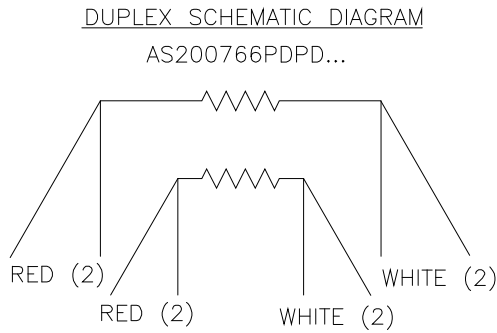
4. Special Conditions of Use

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

