

M422 Pb-free, Pt Temperature Sensor according to DIN EN IEC 60751

Temperature range -70 °C to +500 °C, temporary up to +550 °C

Long-Term Stability

The drift of the resistance value at 0 °C after a storage for 1000 hours in air at the declared upper temperature limit is not more than the tolerance value of the declared tolerance class according DIN EN IEC 60751.
Typical drift of R(0 °C) is 0.04 % after 1000 hours at +500 °C.

Self-Heating

0.3 K/mW at 0 °C

Insulation Resistance

> 100 MΩ at 20 °C
> 2 MΩ at 500 °C

Vibration Resistance

At least 40 g acceleration at 10 to 2000 Hz, depends on installation

Shock Resistance

At least 100 g acceleration with 8 ms half sine wave, depends on installation

Connection Technology

Crimping, Welding, Brazing

Tensile Strength of Leads

≥ 9N

Packaging

Blister reel, Plastic bag
Alternative packaging forms on request.

Storage Life

Min. 48 months (in original packaging).

Note

Other tolerances, values of resistance and wire lengths are available on request.

Due to random sample measurements, a bending of connection wires may occur (called V-shape). This bending is batch-dependent and has no influence on the functionality of the platinum measuring resistor.

Pb concentration is below 1000 ppm for each homogeneous material in the product.

California Proposition 65



WARNING

WARNING: This product can expose you to chemicals including lead oxide, which is known to the State of California to cause cancer and birth defects or other reproductive harm, and including cobalt oxide, nickel and cobalt, which are known to the State of California to cause cancer.

For more information go to www.p65warnings.ca.gov



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