



## L1020, Pt Temperature Sensor according to DIN EN 60751

Temperature range -50 °C to +400 °C

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### 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 60751.

Typical drift of R(0 °C) is 0.04 % after 1000 hours at +400 °C.

### Self-Heating

0.2 K/mW at 0 °C

### Insulation Resistance

> 100 MΩ at +20 °C

> 2 MΩ at +400 °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

Soft Soldering

Note application temperature of the solder

### Lead Type

AgPd

### Tensile Strength of Leads

≥ 8 N

### Packaging

VCI-Plastic bag

Alternative packaging forms on request.

### Storage Life

At least 12 months (after manufacture), when stored under the recommended conditions. Longer shelf life may be possible, depending upon actual storage conditions, after requalification by customer.

Nitrogen atmosphere recommended.

### 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.



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