

CABLE TEMPERATURE SENSOR TEKY6 NI 1000-LG

TEKY6 NI 1000-LG temperature sensor is designed for automatic HVAC systems.

Temperature is detected by a Ni element with a nominal resistance of 1000 Ω at 0 °C.

Sensor element is inserted in a sleeve of stainless steel. Rolled sleeve gives good protection against water and dust (IP67).

There is also available TEKY6S sensor with a silicone cable for harsh conditions.

Sensor resistance at different temperatures

| °C | Ω | °C | Ω |
|-----|----------|-----|----------|
| 120 | 1615 | 25 | 1114 |
| 100 | 1500 | 20 | 1091 |
| 90 | 1444 | 15 | 1068 |
| 80 | 1390 | 10 | 1045 |
| 75 | 1364 | 5 | 1022 |
| 70 | 1337 | 0 | 1000 |
| 65 | 1311 | -5 | 978 |
| 60 | 1285 | -10 | 956 |
| 55 | 1260 | -15 | 935 |
| 50 | 1235 | -20 | 914 |
| 45 | 1210 | -25 | 893 |
| 40 | 1186 | -30 | 872 |
| 35 | 1162 | -40 | 831 |
| 30 | 1138 | -50 | 791 |



Technical data:

| | | |
|-------------|--------|---|
| sensor | | 1 k Ω Ni element |
| sleeve | | \varnothing 6 mm x 45 mm, stainless steel |
| cable | | |
| | TEKY6 | \varnothing 5 mm x 2.3 m, PVC |
| | TEKY6S | \varnothing 5 mm x 2.3 m, silicone |
| range | | |
| | TEKY6 | -30...+80 °C |
| | TEKY6S | -50...+150 °C |
| accuracy | | \pm 0.5 °C (at 0 °C) |
| cable gland | | IP67 |

Ordering guide:

| Model | Product number | Description |
|-------------------|----------------|--|
| TEKY6 NI 1000-LG | 1178320 | flying lead sensor, 1000 Ω Ni element |
| TEKY6S NI 1000-LG | 1178340 | flying lead sensor, 1000 Ω Ni element |

Products fulfil the requirements of directive 2004/108/EC and are in accordance with the standards EN61000-6-2001: 6 (Emission) and EN61000-3-2001: 2 (Immunity).