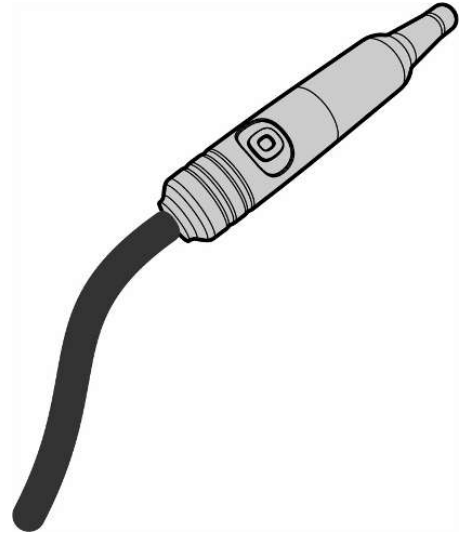


DOL 10 Temperature Sensor



DOL 10 is a simple temperature sensor. The sensor is well suited for use in environments where a sturdy design and a rapid response time is required.

| °C | kΩ* | V | °C | kΩ* | V | °C | kΩ* | V |
|------------|-------|------|-----------|-------|------|-----------|-------|------|
| -40 | 82.50 | 8.08 | 13 | 22.03 | 5.44 | 34 | 11.91 | 3.97 |
| -35 | 76.84 | 7.96 | 14 | 21.36 | 5.37 | 35 | 11.60 | 3.91 |
| -30 | 70.60 | 7.83 | 15 | 20.71 | 5.29 | 36 | 11.30 | 3.85 |
| -25 | 63.97 | 7.68 | 16 | 20.09 | 5.22 | 37 | 11.01 | 3.79 |
| -20 | 57.18 | 7.49 | 17 | 19.48 | 5.15 | 38 | 10.72 | 3.73 |
| -15 | 50.50 | 7.26 | 18 | 18.90 | 5.07 | 39 | 10.45 | 3.67 |
| -10 | 44.12 | 7.00 | 19 | 18.33 | 5.00 | 40 | 10.1 | 3.61 |
| -5 | 38.22 | 6.70 | 20 | 17.79 | 4.93 | 41 | 9.94 | 3.55 |
| 0 | 32.1 | 6.37 | 21 | 17.26 | 4.85 | 42 | 9.70 | 3.50 |
| 1 | 31.92 | 6.30 | 22 | 16.76 | 4.78 | 43 | 9.47 | 3.44 |
| 2 | 30.96 | 6.23 | 23 | 16.27 | 4.71 | 44 | 9.24 | 3.39 |
| 3 | 30.02 | 6.16 | 24 | 15.79 | 4.64 | 45 | 9.03 | 3.34 |
| 4 | 29.11 | 6.09 | 25 | 15.34 | 4.57 | 46 | 8.82 | 3.29 |
| 5 | 28.23 | 6.02 | 26 | 14.90 | 4.50 | 47 | 8.62 | 3.24 |
| 6 | 27.37 | 5.95 | 27 | 14.48 | 4.43 | 48 | 8.43 | 3.19 |
| 7 | 25.53 | 5.88 | 28 | 14.07 | 4.36 | 49 | 8.24 | 3.14 |
| 8 | 25.72 | 5.81 | 29 | 13.68 | 4.30 | 50 | 8.06 | 3.09 |
| 9 | 24.94 | 5.73 | 30 | 13.30 | 4.23 | 55 | 7.26 | 2.87 |
| 10 | 24.17 | 5.66 | 31 | 12.93 | 4.16 | 60 | 6.59 | 2.68 |
| 11 | 23.44 | 5.59 | 32 | 12.58 | 4.10 | | | |
| 12 | 22.72 | 5.51 | 33 | 12.24 | 4.03 | | | |

Table 1: Sensor characteristics. *Zero power measurement

Product survey

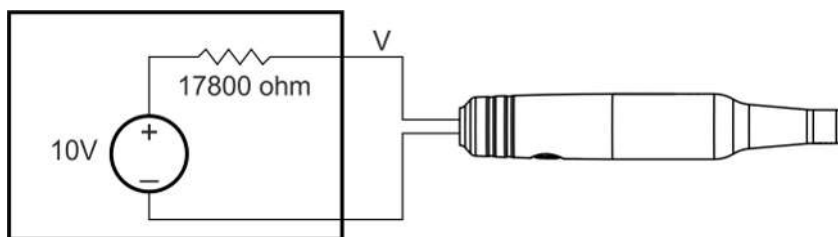


140246 DOL 10 temperature sensor

Is used for measuring both inside and outside temperatures.

Cable length: 1.5 m.

Electrical connection



Maintenance

Clean product with:

- A cloth that has been wrung out almost dry in water
- Cold water high-pressure cleaning

Avoid using:

- High-pressure cleaning with hot water
- Solvents
- Corrosive/caustic agents

Technical data

| Electrical | | |
|---|-----------------|--------------------------------|
| Measuring range | °C | -40 to +60 |
| Accuracy | °C | ±0.5 |
| Time constant | T ₆₃ | < 90 sec. At 0.5 m/s air speed |
| Mechanical | | |
| Cable | | Two-wire, 1.5 m, ø5 mm |
| Max. cable length at 0.75 mm ² | m | 100 |
| Max. cable length at 1.5 mm ² | m | 200 |
| Environment | | |
| Ambient temperature | °C | -40 to +60 |
| Protection class, electronics | IP | 67 |
| Shipment | | |
| Length, diameter | mm | 52, 9 |
| Weight incl. cable | g | 80 |