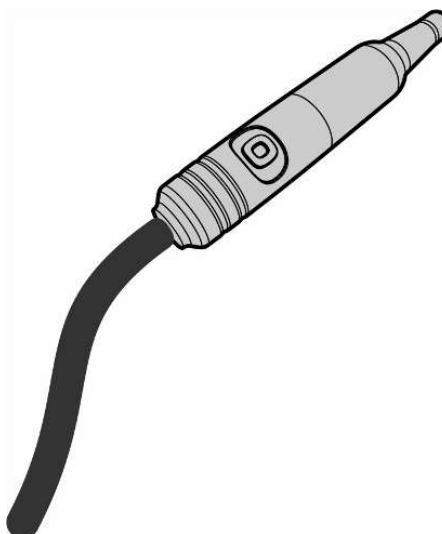


DOL 10 Temperature Sensor



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

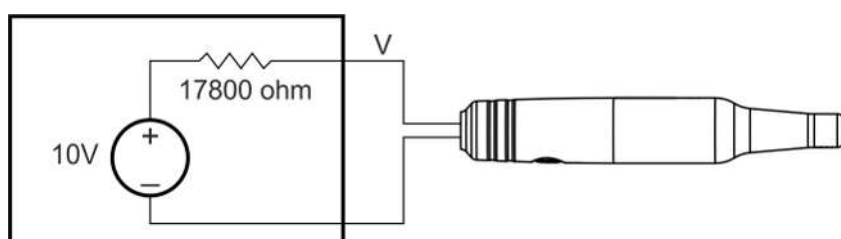


140246 DOL 10 temperature sensor

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