

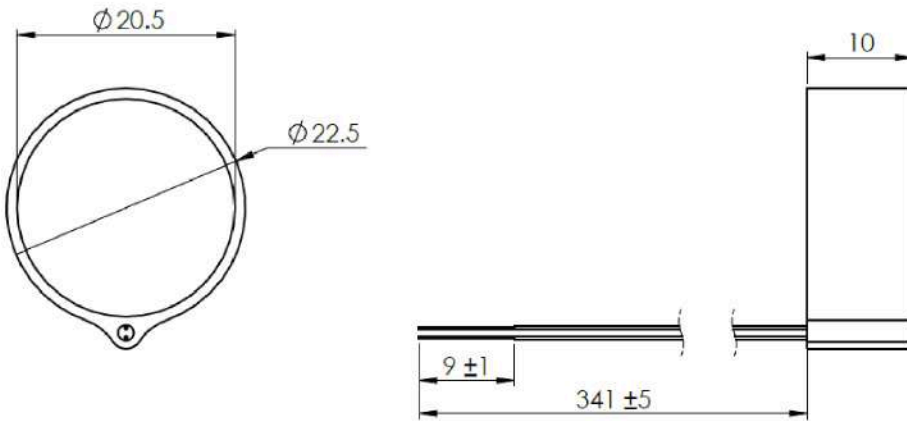


- ▶ **Ideal for measuring battery cell temperature in EV applications**
- ▶ **Further applications include industrial equipment, HVAC, power and utilities, home appliances, transit, calibration and instrumentation**
- ▶ **Multi-strand cable**
- ▶ **Available in a range of sizes**
- ▶ **Temperature range of the assembly overall -40...+130 °C**
- ▶ **Varying resistance values available**
- ▶ **Custom design options**
- ▶ **Higher temperature range available**

A versatile sleeve temperature measurement solution ideal for monitoring battery cell temperatures in electric vehicles. It includes a robust multi-strand cable, various size options, a broad temperature range, and varying resistance values. The sensor provides precision and reliability and can be customised to suit the customer application.

Specifications	
Element	TDK Electronics 10K Thermistor B57861S0103A039
Accuracy	± 1 % at +25 °C
Tolerance	± 1 % at +25 °C
Beta value	25/100 3988
Beta tolerance	± 1 %
Working temperature	-40 °C...+130 °C
Temperature sleeve material	Arnitel PL360
Overall temperature range of the probe assembly	-40 °C...+130 °C

Dimensions in mm



Notes:

1. Sleeve material – Arnitel PL380 - Grey

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Resistance vs. Temperature

T (°C)	B 25/100 = 3988K Rt/R25 (kOhm)
-40	336.5
-35	242.6
-30	177.0
-25	130.4
-20	97.07
-15	72.93
-10	55.33
-5	42.32
0	32.65
5	25.39
10	19.9
15	15.71
20	12.49
25	10.0
30	8.057
35	6.531
40	5.327
45	4.369
50	3.603
55	2.986
60	2.488
65	2.083
70	1.752
75	1.481

T (°C)	B 25/100 = 3988K Rt/R25 (kOhm)
80	1.258
85	1.072
90	0.9177
95	0.7885
100	0.68
105	0.5886
110	0.5112
115	0.4454
120	0.3893
125	0.3417
130	0.3009

Ordering information

Product Code: ETP-ST-21-35-B57861S0103A039