

The probe type sensor is used as external temperature sensor for T24-DM series controllers.



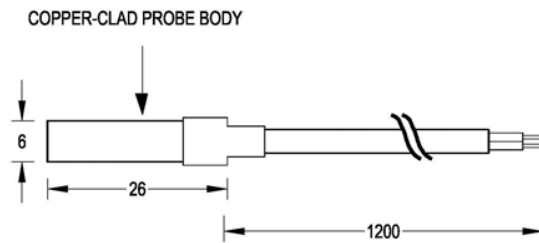
Specifications

Model Numbers	TG-M10000 Probe Temperature Sensor
Sensing Element	NTC Thermistor, 10 kΩ@25°C, See Table 1 for Characteristics
Range	0-40 °C
Protection Class	IP65
Wire Connections	1.2 m Pigtails
Maximum Length of Connecting Wires	20 m, Wire Size 0.4 mm ² or 22 AWG Shielded Twisted Pair Recommended
Ambient / Storage Temperature Limits	0 to 50 °C / -30 to 50 °C
Agency Approval	CE Mark Compliant
Shipping Weights	0.1 kg (0.22 lb)
Dimensions	See Fig. 1: Dimensions in mm

Table 1 - Resistance versus Temperature for TG-M10000

Temperature °C	Resistance Ω	Temperature °C	Resistance Ω	Temperature °C	Resistance Ω	Temperature °C	Resistance Ω
0	27280	11	17306	21	11672	31	8038
1	26234	12	16652	22	11254	32	7764
2	25188	13	15998	23	10836	33	7489
3	24142	14	15344	24	10418	34	7215
4	23096	15	14690	25	10000	35	6940
5	22050	16	14170	26	9663	36	6717
6	21232	17	13650	27	9325	37	6495
7	20414	18	13130	28	8988	38	6272
8	19596	19	12610	29	8650	39	6050
9	18778	20	12090	30	8313	40	5827
10	17960						

The performance specifications above are nominal and subject to tolerances and application variables of generally acceptable industry standards. Belimo shall not be liable for damages resulting from misapplication or misuse of its products.

Figure 1: Dimensions in mm**TG-M10000 Probe Temperature Sensor****Notes**

1. Use 22 or 24 AWG twisted pair double insulated cable as remote sensor wiring. Its length must not exceed 25m.
2. Do not bundle and run power wiring and remote sensor wiring in the same conduit.
3. Run the remote sensor wiring away from any electric motors or power wiring. Failure to do so may result in poor thermostat performance due to electrical noise.