



Product Overview

The majority of temperature control is achieved via a standard or programmable room thermostat. However, there are certain restrictions in this that has brought about the development of many other, more sophisticated, temperature sensing devices, all purposed to provide a more comfortable and proactive means of climate control. One common device used is a floor probe. Floor probes are often used in wet areas or areas with high air change rates where a normal wall mounted air sensor would struggle to get an accurate reading. They are also used underneath sensitive floors where a maximum floor temperature is required.

The floor probe is an NTC sensor which means that it measures the floor temperature on a negative coefficient as shown in the table below.

These are supply only items for others to fit, but it is recommended that these are installed as close to the floor surface as possible so as to get the most accurate floor surface temperature reading. Every floor probe comes with a 10mm conduit to protect the cable which also makes any maintenance and repairs a simple procedure.

Type	Dimensions	Sensor Element (NTC 12k Ω @25 $^{\circ}$ C)	Material
ETF-144/99A floor sensor/probe	6.5 x 30mm sensor 2.5m cable probe	NTC 12k +25 $^{\circ}$ C = 12k Ω Range -20 $^{\circ}$ C +70 $^{\circ}$ C	ABS plastic PVC insulated

NTC 12k resistance table						
-20 $^{\circ}$ C = 112246 Ω	11 $^{\circ}$ C = 22300 Ω	16 $^{\circ}$ C = 17750 Ω	21 $^{\circ}$ C = 14238 Ω	26 $^{\circ}$ C = 11506 Ω	35 $^{\circ}$ C = 7978 Ω	60 $^{\circ}$ C = 3201 Ω
-10 $^{\circ}$ C = 63929 Ω	12 $^{\circ}$ C = 21292 Ω	17 $^{\circ}$ C = 16974 Ω	22 $^{\circ}$ C = 13636 Ω	27 $^{\circ}$ C = 11035 Ω	40 $^{\circ}$ C = 6569 Ω	70 $^{\circ}$ C = 2306 Ω
0 $^{\circ}$ C = 37942 Ω	13 $^{\circ}$ C = 20335 Ω	18 $^{\circ}$ C = 16237 Ω	23 $^{\circ}$ C = 13064 Ω	28 $^{\circ}$ C = 10587 Ω	45 $^{\circ}$ C = 5442 Ω	80 $^{\circ}$ C = 1692 Ω
5 $^{\circ}$ C = 29645 Ω	14 $^{\circ}$ C = 19428 Ω	19 $^{\circ}$ C = 15537 Ω	24 $^{\circ}$ C = 12519 Ω	29 $^{\circ}$ C = 10159 Ω	50 $^{\circ}$ C = 4535 Ω	90 $^{\circ}$ C = 1263 Ω
10 $^{\circ}$ C = 23364 Ω	15 $^{\circ}$ C = 18567 Ω	20 $^{\circ}$ C = 14871 Ω	25 $^{\circ}$ C = 12000 Ω	30 $^{\circ}$ C = 9752 Ω	55 $^{\circ}$ C = 3800 Ω	100 $^{\circ}$ C = 958 Ω