

## Sensor Specifications

### Internal and Fixed External Thermistor Sensor Accuracy

Range	Accuracy
-40 to 0 °C	± 0.3 °C
0 to 70 °C	± 0.2 °C
70 to 85 °C	± 0.3 °C
85 to 100 °C	± 0.5 °C

### Fixed External Humidity Sensor Accuracy

10-90 % ± 2% RH, Compensated for -5 + 60 °C ambient temperature

### Remote Thermistor Sensors' Ranges and Resolutions

Two different external temperature sensors available

Type	Ranges	Resolution	Accuracy
T1	- 40 to 85 °C	< 0.1 °C	As for built in sensor
T2	-100 to 20 °C	< 0.1 °C	-90 to 20 °C ± 0.8 °C
			-100 to -90 °C ± 1.0 °C

### Remote Pt100 Sensor

Four different temperature ranges available.

Type	Ranges	Resolution	Accuracy
A	-200 + 120 °C	0.2 °C	-200 - 100 °C ± 2.0 °C
			-100 - 40 °C ± 1.0 °C
			-40 + 120 °C ± 0.5 °C
B	-40 + 120 °C	0.1 °C	-40 + 120 °C ± 0.3 °C
C	-40 + 280 °C	0.2 °C	-40 + 100 °C ± 0.4 °C
			+100 + 200 °C ± 0.6 °C
			+200 + 280 °C ± 1.0 °C

### 4-20 milli-Amperes input

Accuracy: ± 1% of range

Connection through supplied 2 meter cable with connector for logger.

### Time Accuracy

Synchronisation up to: ± 1 second; ± 1 minute per month.