

Battery-Powered Thermocouple



High Accuracy for **extreme** conditions

The Kelsius Battery-Powered Thermocouple sensor is an integral part of any high-accuracy temperature measuring system, especially in extreme high and low temperature conditions.

The unit can be placed, for example, on top of the cold-box or freezer cabinet.

The tough 7-strand thermocouple cable provides extra strength against rough handling. Each cable is insulated with an overall clear Teflon insulation providing extra protection in extreme temperature environment.

Suitable for liquid nitrogen applications.



| Specification | |
|--------------------------|---|
| Product Code | K115XBT |
| Temperature Range | -200°C to +200°C An extended measurement range can be offered up to 360°C with a different thermocouple accessory. |
| Battery Type | 1 x 6000mAh CP1005050 Primary Cell Lithium MnO2 |
| Battery Lifetime | 2 years+ @ambient 21°C on 5-minute wake-up |
| Typical Accuracy | +/- 0.3°C |

| Maximum Expected Error Thermocouple | |
|-------------------------------------|------------|
| Temperature | Error: |
| -196°C | +/- 2.94°C |
| 0°C | +/- 0.5°C |
| 121°C | +/- 0.5°C |
| 200°C | +/- 0.8°C |

| Application |
|---|
| <p>The battery-powered thermocouple sensor has a range of applications, including:</p> <ul style="list-style-type: none"> • Liquid Nitrogen • Biological Samples • Electronic Components |