MEA

Thermistor Strings

Thermistor Strings

MEA's Thermistor Strings have been designed for highly accurate measurement of thermal stratification in water bodies. They can also be used for ground temperature measurements. Strings consist of one or many sensors: up to 30 per string, 62 sensors total for any one data recorder. MEA manufactures Thermistor Strings to order.

- **Inter-sensor matching to ± 0.006° C**
- **Simple 3-wire connection**
- **Concurrent sensor measurement**

Thermistor Strings have inter-sensor matching equal to or better than ±0.006°C, and have a measurement resolution of ~0.001°C. Concurrent sensor measurement minimises thermal phase errors.

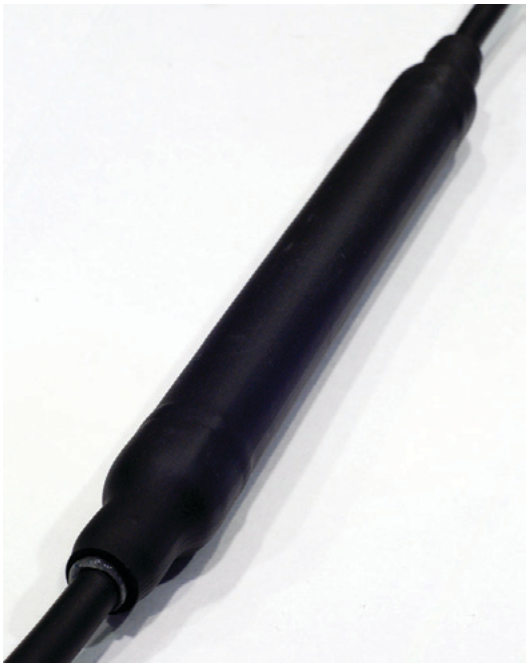
Thermistor Strings use the industry standard SDI-12 data bus to return data to any SDI-12 capable data logger. Unlike other thermistor strings, connection to a data logger is a simple 3-wire connection regardless of the number of sensors on the string.

Standard sensors are submersible to 50 m. Strengthened sensors can be made for submersion to 90 m.

Applications

Thermistor Strings provide a precise way of making continuous measurement of thermal stratification.

MEA also builds complete stratification measurement systems, including systems with built-in climate sensors, heat flux sensors, Modbus radio, remote telemetry access, and packet-data transmission to file servers.



Specifications for Thermistor Strings	
Measurement Range	+10° to +33°C
Accuracy	± 0.02°C

Get a Green Brain

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soil moisture
and
climate monitoring
with
certainty