

ST02 Single Level SDI-12 Soil Temperature Sensor

High Performance Single Level Soil Temperature Sensor

For Precise Results in Agriculture and Environmental Monitoring

The ST02 is a versatile single level soil moisture and soil temperature sensor fitted with an SDI-12 interface.

The sensor shares the same form factor as the Tekbox MP02

- The sensor is fully sealed and the internal electronics potted in resin
- The sensor is extremely reliable and very stable
- It requires no maintenance.
- It is compatible with any logging devices / telemetry units which support the SDI-12 interface

The ST02 may be installed either vertically (into a hole augered into the soil) or laid on edge horizontally into a hole dug to the required depth. The soil is then bedded into a slurry made up from the soil removed from the hole. ST02 employs a high accuracy PT1000 platinum thermistor as its sensing element. This gives the sensor its excellent long term stability and high precision.



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| Power Supply | 6 to 17V DC, 8 mA for 1 sec during read; 80 uA in sleep | Dimensions | 140 x 29 x 9 mm, 50g |
| Accuracy | Range: -20 to +65 °C | Installation | Vertical or on edge in horizontal position |
| Soil Temperature | Accuracy: +/- 0.15% Resolution: 0.01 °C | Maintenance Warranty | 1 Year, return to manufacturer None required - fully sealed probe |
| | | Ordering | |
| | | ST02 | SDI-12 Single Level Soil Temperature Sensor |

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Telemetry Over Internet Protocol