

# 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.



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

TOIP Pty Ltd  
58 George St MOONTA SA 5558 AUSTRALIA  
Email: [sales@toip.net.au](mailto:sales@toip.net.au)  
Web: <http://toip.net.au>  
Phone: 08 8825 1208



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Telemetry Over Internet Protocol