

## T thermocouple with data logger for compost - cod. SCIUX100



### Features

Removable mounting of the recorder in a waterproof case using Velcro;  
 The recorder can record temperature via the T thermocouple;  
 Using the HOBOWare software, it is easy to configure set high or low alarms for recordings;  
 It is also possible to configure measurement intervals (faster interval) depending on certain conditions;  
 The device can also calculate certain statistics (the minimum, maximum, average or standard deviation);  
 Space-saving, the device's built-in LCD screen allows you to display the temperature, recording status battery level and memory used.

### Probe specifications

- sensor: thermocouple type T, class 1. Hot-welded to ground. ( $\pm 0.5$  °C for -40 / 125 °C)
- sensor range: -260 to 400 °C; accuracy of  $\pm 0.6$  °C  $\pm$  accuracy of probe; resolution 0.02 °C
- protective sheath: 316 L stainless steel,  $\varnothing 16 \times 2$  mm, length 1000 mm (SCIUX100-1000) or 1500 mm (SCIUX100-1500) with pointed end and neck from over 30 mm to  $\varnothing 10$  mm.
- comes with 2 removable plastic handles
- PFA / PFA cable outlet 150 mm long.
- miniature male connector termination for connection to the recorder.
- operating temperature: -50 / 250 °C

### Data logger specifications

- operating range: recording -20 / 70 °C; 0/95% relative humidity; start and discharge 0/50 °C (USB specification)
- recording interval: 1 second to approx. 18 hours
- recording mode: normal, burst or statistics
- memory mode: stop or cycle when memory is full
- start mode: immediate, by button or programmed date and time
- restart mode: via button
- Time accuracy:  $\pm 1$  minute per month at 25°C
- autonomy: 1 year, with logging interval of 1 minute and sampling interval greater than 15 seconds
- battery: CR2032 (3V)
- display: visible from 0 to 50°C; may be slower or no longer displayed for outside temperatures
- memory: 512Ko (approx. 208,000 records)
- full memory download time: 90 seconds
- size: 36.6x59.4x15.2 mm
- weight: 30 g
- index of protection: IP50
- standard: CE

### Data logger case

- ABS with transparent lid
- 110x80x65 mm (with lid)
- IP65