

# SD00TH2

## SD00TH2\_LD

Smart Datalogger  
Indoor Temperature and  
Relative Humidity Recorder



### Technical Information\*\*

|                                |   |
|--------------------------------|---|
| Power supply                   | <ul style="list-style-type: none"><li>• <b>SD00TH2</b>: 6V2.4A/h - 3.6V type "AA" lithium internal battery</li><li>• <b>SD00TH2_LD</b>: 8.5A/h - 3.6V type "C" lithium internal battery</li></ul>       |
| Battery life (*)               | <ul style="list-style-type: none"><li>• <b>SD00TH2</b>: Up to 5 years</li><li>• <b>SD00TH2_LD</b>: Up to 12 years<br/>(samples every 10 minutes and radio signal quality at least sufficient)</li></ul> |
| Measures acquired (2 channels) | <ul style="list-style-type: none"><li>• Indoor temperature</li><li>• Relative humidity</li></ul>  |
| Sampling interval (*)          | Selectable from one minute to 24 hours<br>(10 minutes default)  |
| Datalogger capacity            | 128,000 samples (for each channel)  |
| Working temperature            | <ul style="list-style-type: none"><li>• Operative: -30°C ÷ +60°C</li><li>• Warehousing: -40°C ÷ +70°C</li></ul>   |
| Sealing                        | IP30  |
| Dimensions                     | <ul style="list-style-type: none"><li>• <b>SD00TH2</b>: 80 x 80 x 25mm</li><li>• <b>SD00TH2_LD</b>: 120 x 80 x 33.5mm</li></ul>   |
| Weight                         | <ul style="list-style-type: none"><li>• <b>SD00TH2</b>: 100g</li><li>• <b>SD00TH2_LD</b>: 224g</li></ul>  |
| Case material                  | ABS   |
| Mounting                       | Fix on 2/4 points   |
| Connections                    | USB   |



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### Smart Datalogger.

The **SD00TH2** and the **SD00TH2\_LD** are **dataloggers** with two input channels to acquire indoor temperature and relative humidity, with storage functionality of samples acquired.

With a backup memory onboard may store the last 64,000/128,000 samples per channel even if the wireless link is down. Samples can be downloaded using a USB connection.

Using the configuration software the sampling interval may be set and two thresholds per channel can be activated.

- The downloading of data from the **datalogger** is possible through a PC and the [WineCapManager](#) software connecting to a high speed USB port.
- The data stored on the PC could be synchronised with the [Service Centre](#) [www.winecap.it](http://www.winecap.it) (available also via tablet and smartphone) let them accessible, for qualified users, using a common Internet browser, offering a centralized and secured management (subdivided by sites) of measures.
- Through a WEB SERVICES SOAP function, [Service Centre](#)'s databases duplication to external servers (sites or portals) is available.

### Indoor temperature

|                    |                       |
|--------------------|-----------------------|
| Transducer type    | NTC10KΩ               |
| Measure range      | -10°C ÷ +60°C         |
| Measure accuracy   | ±0.2°C in whole range |
| Measure resolution | 0.01°C                |

### Relative humidity

|                    |  |
|--------------------|--|
| Transducer type    | CMOSens™ Technology  |
| Measure range      | 0% ÷ 100%  |
| Measure accuracy   | ±2.5% from 0% to 90%<br>From 90% to 100% change from ±2.5% to ±3.5%<br>Accuracies are granted between 0°C ÷ 50°C range |
| Measure resolution | 0.05%RH  |

\* battery life may be influenced by fieldwork conditions, sampling interval and system configuration. - refer to User Manual.

\*\* Available with ACCREDIA calibration certificate or manufacturer certificate.

The features shown may be subject to change without notice.

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