

TrackSense® Lab Wireless Data Logger

Relative Humidity and Temperature Sensor

Key Features & Benefits

- ✓ Real-time data option with [Sky module](#)
- ✓ Works in conjunction with the [ValSuite®](#) validation & calibration software
- ✓ FDA 21 CFR Part 11 compliant
- ✓ RH range of **0 to 100%**
- ✓ Industry leading accuracy of **± 2%**
- ✓ Covers various applications within [pharmaceutical](#), [food](#) and [medical](#) industries



Relative Humidity
Measurements



Temperature
Measurements



Live Data
Option Available



TrackSense® Lab Data Loggers

The wireless [TrackSense® Lab data loggers](#) are made of a high resistant stainless steel with cutting edge technology that allows for immensely accurate and stable measurements when performing various thermal processes.

The overall design is similar to that of the Pro loggers with separate sensors, but the interchangeability option is limited to only cover other LAB sensors.

Ellab's data loggers are easily activated and read by the [Multi reader station](#). When combined with the [Sky module](#), data loggers can provide real time data via wireless communication. Utilizing the numerous functions of the FDA 21 CFR, Part 11 compliant [ValSuite™ software](#), data is easily analyzed and distributed through various report options.

Interested in this product? [Contact sales today](#)

Technical Specifications

Sensor with this logger configuration:	Relative Humidity and Temperature Sensor
RH Measuring Range (0 to +90°C):	0 to 100% (Calibrated 10-90%)
Measuring Principle:	Capacitance Sensing / Electrical Resistance
Sensor Element:	Capacitance / Pt1000
RH Accuracy at 25 °C non-condensing (10% to 90%):	± 2%
RH Resolution:	0.10%
RH Response Time (63% in slowly moving air):	<15 Seconds
Temperature Measuring Range:	0 to +90 °C (Calibrated 10-90 °C)
Temperature Accuracy (+10 to +90°C):	± 0.1 °C
Temperature Resolution:	0.01 °C
Temperature Response Time:	
T-63%:	6.5 Seconds
T-90%:	17 Seconds
Logger with this sensor configuration:	Lab 3G
Operating Temperature:	0 to +90 °C
Operating Pressure:	10 to 1200 mbar ABS
House Material:	316L Stainless Steel
Diameter:	25 mm
Length:	44 mm
Weight with Battery:	48 Grams
Memory Capacity:	120,000 Data Points / 60,000 Samples
Minimum Sample Rate:	1 Second
Maximum Sample Rate:	24 Hours
Maximum Start Delay:	14 Days
Intrinsically Safe:	Not ATEX approved
Time Accuracy:	± 5 Seconds Per 24 Hours
Battery:	TSP Standard Battery