

TrackSense® Pro Basic Wireless Data Logger

Relative Humidity and Temperature Sensor

Key Features & Benefits

- ✓ Unique [interchangeable sensor option](#)
- ✓ Real-time data option with [Sky module](#)
- ✓ Works in conjunction with the [ValSuite®](#) validation & calibration software
- ✓ FDA 21 CFR Part 11 compliant
- ✓ RH measuring 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



Interchangeable Sensor Design

TrackSense® Pro Basic Data Loggers

The wireless [TrackSense® Pro Basic 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.

All TrackSense® Pro data loggers are configured with [interchangeable sensors](#) able to measure temperature, vacuum, relative humidity, pressure, conductivity and CO₂.

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 – 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:	Pro Basic 3G
Operating Temperature:	0 to +90 °C
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:	Ex II1GD Ex ia IIC T3 Ga, -30°C ≤ Tamb ≤ +105°C
Time Accuracy:	± 5 Seconds Per 24 Hours
Battery:	TSP Standard Battery

*Requires ValSuite 5.2 or newer.

If equipment is used in ATEX environment, special [conditions for safe use are stated in ATEX certificates](#), section 17 must be considered.