

TrackSense® Pro X Wireless Data Logger

Conductivity 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
- ✓ Conductivity range **0 to 200 µS/cm**
- ✓ Industry leading accuracy of **± 1 µS/cm**
- ✓ Covers various applications within [pharmaceutical](#), [food](#) and [medical](#) industries



Conductivity Measurements



Temperature Measurements



Live Data Option Available



Interchangeable Sensor Design

TrackSense® Pro X Data Loggers

The wireless [TrackSense® Pro X 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 X data loggers are configured with [interchangeable sensors](#) able to measure temperature, relative humidity, vacuum, 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:	Conductivity and Temperature Sensor
Conductivity Range:	0 to 200 $\mu\text{S}/\text{cm}$
Measuring Principle:	Electrical Conductivity / Electrical Resistance
Sensor Element:	Conductivity / Pt1000
Contact Material:	Peek (FDA compliant)
Dimensions L x D:	37 mm x 25 mm / 13 mm
Immersion Depth:	Minimum 25 mm
Conductivity Resolution:	0.1 $\mu\text{S}/\text{cm}$
Conductivity Accuracy:	$\pm 1 \mu\text{S}/\text{cm}$ or $\pm 2.5 \%$ of reading whichever is worse
IP Class:	IP67
Temperature Range:	0 °C to +100 °C*
Temperature Accuracy:	$\pm 0.05 \text{ }^\circ\text{C}$
Logger with this sensor configuration:	Pro X 3G
Operating Temperature:	0 to +100 °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, $-60^\circ\text{C} \leq \text{Tamb} \leq +105^\circ\text{C}$
Time Accuracy:	± 5 Seconds Per 24 Hours
Battery:	TSP Standard Battery

*The Conductivity sensor is not designed for steam sterilization, but can be autoclaved at +121 °C

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