Validation Solutions

TrackSense® Pro Basic 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 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 CO_2.

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 µS/cm
Measuring Principle:	Electrical Conductivity
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 µS/cm
Conductivity Accuracy:	± 1 µS/cm or ± 2.5% of reading whichever is worse
IP Class:	IP67
Temperature Range:	0 °C to +100 °C*
Temperature Accuracy:	± 0.05 °C
Logger with this sensor configuration:	Pro Basic 3G
Operating Temperature:	0 to +100 °C
House Material:	316L Stainless Steel
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

*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.