

TrackSense® Pro Basic Wireless Data Logger

Temperature Thermocouple Sensor

Key Features & Benefits

- ✓ Ideal for freeze drying applications that highly strain wires
- ✓ Very thin thermocouple wire (AWG30) with low impact on product temperature
- ✓ 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
- ✓ Temperature range of **-30 to +62 °C**
- ✓ Industry leading accuracy of **± 0.3 °C Calibrated**



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:	Temperature Thermocouple Sensor*
Temperature Measuring Range:	-30 to +62 °C (Calibrated from -60 to +60 °C) -30 to +105°C when keeping the logger at ambient temperature
Measuring Principle:	Electrical Resistance
Sensor Element:	Thermocouple
Accuracy:	± 0.3 °C Calibrated
Position of Measuring Point from Tip:	0 mm
Cable Length:	10, 30, 50 or 100 cm
Cable Dimensions and Type:	0.55 x 0.95 mm type AWG30 with naked tip
Sensor Response Time:	
T-63%:	0.03 Seconds
T-90%:	0.09 Seconds
Logger with this sensor configuration:	Pro Basic 3G
Operating Temperature:	-30 to +105 °C
Operating Pressure:	0.0001 mBar to 4 Bar ABS
House Material:	316L Stainless Steel
Diameter:	25 mm
Length:	44 mm
Weight with Battery:	48 Grams
Memory Capacity:	120,000 Data Points / 40,000 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™ 5.1.0.11 or later and logger firmware version 26.9 or later.

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