

TrackSense® Pro XL Wireless Data Logger

Temperature Thermocouple Sensor

Key Features & Benefits

- ✓ Ideal for freeze drying and 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 **-80 to +62 °C**
- ✓ Industry leading accuracy of **± 0.3 °C Calibrated**



TrackSense® Pro XL Data Loggers

The wireless [TrackSense® Pro XL 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 XL series is the most versatile wireless data logger on the market, offering a wider temperature range and an extended battery capacity.

All TrackSense® Pro XL 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:	Temperature Thermocouple Sensor*
Temperature Measuring Range:	-80 to +62 °C (Calibrated from -60 to +60 °C) -196 to +400 °C when keeping logger at ambient and using appropriate thermocouple wire
Measuring Principle:	Thermoelectric Effect
Sensor Element:	Thermocouple Type T
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 Second
T-90%:	0.09 Second
Logger with this sensor configuration:	Pro XL 3G
Operating Temperature:	-80 to +62 °C
Operating Pressure:	0.001 mBar to 10 Bar ABS
House Material:	316L Stainless Steel
Diameter:	25 mm
Length:	68.8 mm
Weight with Battery:	80 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, -55°C ≤ Tamb ≤ +105°C
Time Accuracy:	± 5 Seconds Per 24 Hours
Battery:	TSP 150L 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.