

TrackSense® Pro X Wireless Data Logger

SmartFlex 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
- ✓ Temperature range of **-196 to +140 °C**
- ✓ Industry leading accuracy of **± 0.1 °C**
- ✓ Covers various applications within [pharmaceutical](#), [food](#) and [medical](#) industries



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:	SmartFlex Temperature
Temperature Measuring Range:	-80 to + 140°C -196 to +140°C when keeping the logger at ambient temperature
Measuring principle:	Electrical Resistance
Sensor element:	Pt1000
Diameter:	1.8 mm
Length:	100 - 1,000 mm (1,700 mm)
Position of Measuring Point from Tip:	3 mm
Accuracy:	
-196 to -80 °C:	± 3.0 °C (± 0.5 °C if calibrated and adjusted at -196 °C)
-80 to -50 °C:	± 0.3 °C
-50 to -40 °C:	± 0.2 °C
-40 to +140 °C:	± 0.1 °C
Sensor Response Time:	
T-63%:	2.2 Seconds
T-90%:	4.3 Seconds
Logger with this sensor configuration:	Pro X 3G
Operating Temperature:	-80 to +140 °C
Operating Pressure:	0.001 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 / 120,000 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°C ≤ Tamb ≤ +105°C
Time Accuracy:	± 5 Seconds Per 24 Hours
Battery:	TSP Standard Battery

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