

TrackSense® Pro XL Wireless Data Logger

Relative Humidity 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
- ✓ Humidity range of **0 to 100%**
- ✓ Extended battery capacity
- ✓ Covers various applications within [pharmaceutical](#), [food](#) and [medical](#) industries



Relative Humidity Measurements



Temperature Measurements



Live Data Option Available



Interchangeable Sensor Design

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: | Relative Humidity and Temperature Sensor* |
| RH Measuring Range (0 to +90 °C): | 0 – 100% (Calibrated 10-90%) |
| Measuring Principle: | Capacitance Sensing / Electrical Resistance |
| Sensor Element: | Capacitance / Pt1000 |
| RH Accuracy at 25 °C non-condensing (10% to 90%): | ± 2% |
| RH Resolution: | 0.10% |
| RH Response Time (63% in slowly moving air): | <15 Seconds |
| Temperature Measuring Range: | 0 to +90 °C (Calibrated 10-90 °C) |
| Temperature Accuracy: | |
| +10 to +90 °C: | ± 0.1 °C |
| Temperature Resolution: | 0.01 °C |
| Temperature Response Time: | |
| T-63%: | 6.5 Seconds |
| T-90%: | 17 Seconds |
| Logger with this sensor configuration: | Pro XL3G |
| Operating Temperature: | 0 to +90 °C |
| House Material: | 316L Stainless Steel |
| Diameter: | 25 mm |
| Length: | 68.8 mm |
| Weight with Battery: | 80 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, -55°C ≤ Tamb ≤ +105 °C |
| Time Accuracy: | ± 5 Seconds Per 24 Hours |
| Battery: | TSP 150L Battery |

*Requires ValSuite 5.2 or newer

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