

TrackSense® Pro XL Wireless Data Logger

Vacuum 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
- ✓ Pressure range of **0.001 mBar to 100 mBar**
- ✓ Extended battery capacity
- ✓ Covers various applications within [pharmaceutical](#), [food](#) and [medical](#) industries



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:	Vacuum Sensor
Pressure / Vacuum Measuring Range:	0.001 mBar to 100 mBar (-80 to +80°C)
Measuring Principle:	Pirani / Electrical Resistance
Sensor Element:	Thermal Conductivity Vacuum Gauge / Pt1000
Pressure / Vacuum Accuracy (Calibrated at -10°C):	
0.001 – 0.005 mBar:	± 0.0005 mBar
>0.005 – 0.01 mBar:	± 0.003 mBar
>0.01 – 0.025 mBar:	± 0.005 mBar
>0.025 – 0.1 mBar:	± 0.01 mBar
>0.1 – 0.5 mBar:	± 0.05 mBar
>0.5 – 1.0 mBar:	± 0.1 mBar
>1.0 – 5.0 mBar:	± 0.5 mBar
>5.0 – 10 mBar:	± 2 mBar
>10 – 100 mBar:	± 20 mBar
Pressure / Vacuum Sensor Response Time:	0.002 Second
Temperature Measuring Range:	-80 to +140 °C (Calibrated -60 to +60°C)
Temperature Accuracy:	± 0.5 °C
Temperature Response Time:	< 120 Seconds
Logger with this sensor configuration:	Pro XL 3G
Operating Temperature:	-80 to +140 °C
Operating Pressure:	0.0001 mBar to 5 Bar
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:	1.0 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

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