

TrackSense® Pro X 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 100mBar**
- ✓ 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:	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 X 3G
Operating Pressure:	0.0001 mBar to 5 Bar
Operating Temperature:	-80 to +140 °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, -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.