

# TrackSense® Pro 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 **0.001mBar to 100mBar Absolute**
- ✓ Covers various applications within [pharmaceutical](#), [food](#) and [medical](#) industries



### TrackSense® Pro Data Loggers

The wireless [TrackSense® Pro 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.

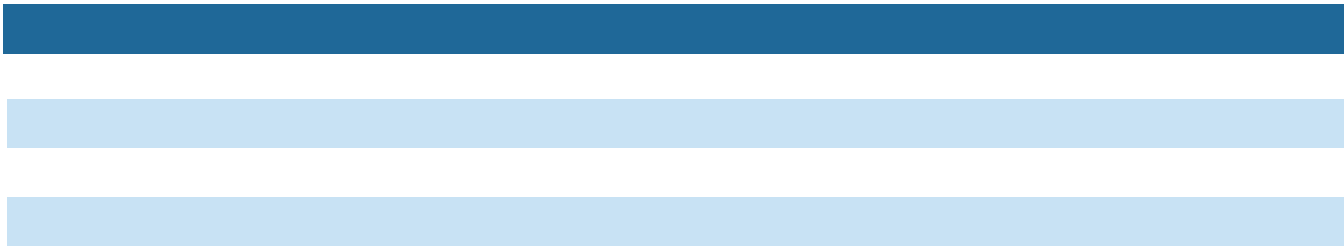
All TrackSense® Pro data loggers are configured with [interchangeable sensors](#) able to measure temperature, vacuum, relative humidity, pressure, conductivity and CO<sub>2</sub>.

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

<b>Sensor with this logger configuration:</b>	<b>Vacuum Sensor</b>
Pressure Measuring Range:	0.001 mBar to 100 mBar (-50 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:	-50 to +140 °C (Calibrated -50 to +60°C)
Temperature Accuracy:	± 0.5 °C
Temperature Response Time:	<120 Seconds
<b>Logger with this sensor configuration:</b>	<b>Pro 3G</b>
Operating Temperature:	-50 to + 140 °C
Operating Pressure:	0.0001 mBar to 5 Bar
House Material:	316L Stainless Steel
Diameter:	25 mm
Length:	44 mm
Weight with Battery:	48 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, -50°C ≤ Tamb ≤ +105°C
Time Accuracy:	± 5 Seconds Per 24 Hours
Battery:	<a href="#">TSP Standard Battery</a>



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