

# TrackSense® Pro Wireless Data Logger

## Smart Flexible 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 **-50 to +140 °C**
- ✓ Industry leading accuracy of **± 0.1 °C**
- ✓ 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>Smart Flexible Temperature Sensor</b>        |
| Temperature Measuring Range:                  | -50 to +140 °C                                  |
| 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:                                     |   |
| -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                                     |
| <b>Logger with this sensor configuration:</b> | <b>Pro 3G</b>                                   |
| Operating Temperature:                        | -50 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, -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.