

TrackSense® Pro Micro Wireless Data Logger

Pressure and Temperature Sensor

Key Features & Benefits

- ✓ Extremely slim design for applications that require small diameters
- ✓ Suited for measurements inside e.g. bottles during pasteurization and sterilization/retorting
- ✓ Works in conjunction with the [ValSuite®](#) validation & calibration software
- ✓ FDA 21 CFR Part 11 compliant
- ✓ Measuring range **10 mBar to 6 Bar Absolute** and **-20 to +140 °C**
- ✓ Industry leading accuracy of **± 0.25% Full Scale** and **± 0.05 °C**



Pressure Measurements



Temperature Measurements

TrackSense® Pro Micro Data Loggers

The wireless [TrackSense® Pro Micro data loggers](#) consist of immensely resistant stainless steel with high-end technology that allows for accurate and stable measurements when performing various thermal processes.

All TrackSense® Pro Micro data loggers are designed with minimal size in mind, allowing for internal mounting in various containers and products in order to measure the temperature and pressure.

Ellab's data loggers are easy to activate and read by the [Multi reader station](#). Utilizing the numerous functions of the FDA 21CFR Part11 compliant ValSuite™ software, data is easily analyzed and distributed through various report options.

Interested in this product? [Contact sales today](#)

Technical Specifications

| | |
|-----------------------------------|--|
| Sensor: | Pressure and Temperature Sensor |
| Pressure Measuring Range: | 10 mBar to 6 Bar ABS |
| Measuring Principle: | Piezoresistive / Electrical Resistance |
| Sensor Element: | Strain Gauge / Pt1000 |
| Accuracy: | ± 0.25% Full Scale |
| Resolution: | 1 mBar |
| Temperature Measuring Range: | -20 to +140 °C |
| Temperature Accuracy: | ± 0.05 °C |
| Temperature Resolution: | 0.012 °C |
| Temperature Sensor Response Time: | |
| T-63%: | 16 Seconds |
| T-90%: | 37 Seconds |
| Operating Pressure: | 0 mBar to 10 Bar ABS |
| Operating Temperature: | -20 to +140 °C |
| Material: | 316L Stainless Steel |
| Volume: | 5.1 cm ³ |
| Logger Diameter: | 15 mm |
| Logger Height: | 30 mm |
| Weight with Battery: | 17.8 Grams |
| Memory Capacity: | 30,000 Data Points / 10,000 Samples |
| Minimum Sample Rate: | 1 Second |
| Maximum Sample Rate: | 24 Hours |
| Intrinsically Safe: | Not ATEX approved |
| Battery: | 2 TSP Micro Batteries |