

ETI Recorder Plus

Temperature, Pressure and PC Connection

Key Features & Benefits

- ✓ FDA compliant alternative to mercury-in-glass thermometers
- ✓ Dual interchangeable sensor design with pressure sensor option
- ✓ Remote display or PC connection
- ✓ Works in conjunction with the [ValSuite®](#) validation & calibration software
- ✓ NIST traceable (or equivalent calibration certificate)
- ✓ Temperature range of **0 to +140 °C**
- ✓ Accuracy of **± 0.1 °C**
- ✓ Rechargeable backup battery



Temperature Measurements



Pressure Measurements



Live Data



Interchangeable Sensor Design

ETI Temperature Indicators

The [Ellab Temperature Indicator \(ETI\)](#) is a high-quality temperature and pressure indicating device, designed for displaying and documenting the processing temperature or pressure in retorts. The indicator is an FDA 21 CFR Part 113 compliant alternative to the mercury-in-glass thermometer, with interchangeable dual probe temperature sensors and optional digital pressure sensor. Ellab provides in-house calibrations with full documentation and NIST traceable (or equivalent) calibration certificates.

The ETI is supplied with a rechargeable backup battery, a remote display option, Modbus address feature and an output channel for automatic alarms. The device is compliant with Ellab's ETISuite and [ValSuite® software](#).

It records and displays temperature, time & pressure. The temperature measuring range is from -100 to 150 °C (calibrated measuring range: 0 to 140 °C) and the pressure measuring range is from 0 to 4 bar abs.

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

Technical Specifications

ETI Recorder Plus

Calibrated Temperature Range:	0 to +140 °C / +32 to +284 °F
Main Unit Operating Range:	0 to +70 °C / +32 to +158 °F
Sensor Operating Range:	-100 to +150 °C / -148 to +302 °F
Calibrated Temperature Range:	0 to +140 °C / +32 to +284 °F
Accuracy:	± 0.1 °C / 0.18 °F
Resolution:	± 0.1 °C / 0.1 °F
Sensor:	Intelligent 6 mm diameter stainless steel sensor with two independent Pt1000 sensing elements and A/D converters
Environmental:	0 – 90% RH, non-condensing
Ingress Protection Code:	IP67
Output:	RS485
External Power:	7 to 30 V DC
Battery Backup:	Internal, Rechargeable, 8 hours
Display Update Rate:	1 Second
Memory:	60,000 Data Points

Digital Pressure Sensor

Communication interface:	RS485
Measuring Range:	0 to 4 bar ABS
Supply Voltage:	8.....28 VDC
Accuracy:	0.15% FS (20.....120 °C)
True Output Rate:	100 Hz
Resolution:	0.002% FS
Long Term Stability Type:	Range < 2 Bar: 2mBar Range >2 Bar: 0.2% FS
Electrical Connection	Binder-Plug 723 (5 Pole)
Storage- /Operating Temperature Range:	20....150 °C (Electronics Max. 120 °C)
Protection:	IP64 Optional: IP67 or IP68 (with Cable)
CE-Conformity:	EN 61000-6-1 to 6-4
Material in Contact with Media:	Stainless Steel 316L (DIN 1.4435)/Vitron®
Weight:	280 g