

E-Val™ Pro

Thermocouple System

Key Features & Benefits

- ✓ Light and compact module
- ✓ Individual cold junction compensation
- ✓ Up to 40 sensors per module
- ✓ USB connectors
- ✓ Graphical interface and touch display
- ✓ Password protected
- ✓ Clean room compliant
- ✓ Stand-alone option



Multiple Parameters



Live Data



Ellab's Wired Thermocouple System

The **E-Val™ Pro** wired thermocouple system is immensely easy to handle within controlled environments due to its compact size and light weight. The thermocouple system complies with FDA regulations as well and GAMP guidelines and is designed to be the ideal solution for any thermal validation process.

The secure and password protected module can handle up to 40 **thermocouples** and the large internal memory is capable of holding up to 10 studies at a time. The wired thermocouple system has a built-in 8-hour battery and can be used as a stand-alone unit or be connected to a PC via LAN/USB.

The E-Val Pro is equipped with interchangeable sensor arrays, which can easily be removed for service and calibration. With 4 and 12-channel arrays available, the E-Val Pro can handle all thermocouple types as well as analog and digital inputs.

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

Technical Specifications

Operating Range:	5 °C to 50 °C
Environmental:	0 - 90% RH, non-condensing
Sample Rate:	1 Second to 24 Hours
Weight:	3.0 kg (including battery and 40 channels)
Electrical Protection Class:	IP40
Power Consumption:	Less than 9 Watts (40 temperature sensors)
Memory:	40 channels 1 second sample rate in 8 hours for 10 sessions
Number of Channels:	40 channels
Time:	
Time Accuracy:	± 1 Second per 24 Hours
Temperature:	
Measuring Range:	-200 to +1,300 °C (ready for -270 °C to +1,820 °C) depending on sensor type
Measuring Range (Type T):	-200 to +400 °C
Measuring Accuracy at an ambient temperature of 23 °C:	± 0.05 °C between -100 and +400 °C / ± 0.1 °C between -200 and <-100 °C
Total System Accuracy at an ambient temperature of 23 °C:	± 0.10 °C between -50 and +150 °C (type T)
Resolution:	0.01 °C
Pressure:	
Measuring Range:	0 to 4 Bar ABS
Measuring Accuracy:	± 0.15% FS
Resolution:	1 mBar
Other Parameters:	
Measuring Range:	4-20mA or 0-10V