Probes

Thermistor Probes (Temperature)



- Compatible with all EasyLog thermistor probe data loggers listed below
- Variety of measurement ranges covering -40 to +125 °C temperature range

Lascar's range of thermistor probes are suitable for use with all EasyLog thermistor probe data loggers. They incorporate high accuracy thermistor temperature sensing elements encapsulated in a sealed stainless steel end-cap. The probes can be used in a wide range of applications including manufacturing processes, cold and hot storage and environmental monitoring. A thin and flexible connection cable makes the probes suitable for use within a closed measurement environment e.g. refrigerator, incubator etc.

EL-P-TP

Standard thermistor probe to get you started

- -40 to 125°C (-40 to 257°F) measurement range
- Accuracy of ±0.5°C (-10 to 70°C), ±1.0°C (-40 to 125°C)
- 5mm diameter, 25mm length stainless steel capped
- 5mm diameter, 25mm length stainless steel cap isolated probe on 1m cable.

For use with:

EL-USB-TP-LCD EL-GFX-DTP EL-WiFi-TP EL-21CFR-TP-LCD EL-WiFi-21CFR-TP EL-SMS-2G-TP EL-SGD 43-ATP EL-SGD 70-ATP

EL-P-TP+

High accuracy thermistor probe

- -40 to $125\,^\circ\text{C}$ (-40 to $257\,^\circ\text{F}$) measurement range
- Accuracy of ±0.1°C (-10 to 70°C), ±0.3°C (-40 to 125
- 5mm diameter, 75mm length stainless steel capped, isolated probe on 3m cable.

For use with: EL-USB-TP-LCD+

EL-GFX-DTP+ EL-WiFi-TP+ EL-WiFi-DTP+ EL-21CFR-TP-LCD+ EL-WIFI-21CFR-TP+ EL-WIFI-21CFR-DTP+ EL-SMS-2G-TP+

EL-P-VAC

High accuracy vaccine temperature probe

- -40 to 60°C (-40 to 140°F) measurement range
- Accuracy of ±0.1°C (-10 to 60°C), ±0.3°C (-40 to 60°C)
- 40 minute T90 response*

EasyLog

• Glycol filled bottle with 3m cable

*Based on response to a step temperature change of -10 to 21°C



www.lascarelectronics.com /data-loggers

For use with:

EL-USB-VAC EL-GFX-VAC-2 EL-SMS-2G-VAC EL-WiFi-VAC EL-WiFi-VAC2 EL-21CFR-VAC EL-WiFi-21CFR-VAC EL-WiFi-21CFR-VAC2



Smart Probes

Lascar's smart probe technology eliminates down time due to calibration testing. No need to send your data logger away for testing. Simply order a pre-calibrated smart probe and swap the new probe for your old one.

EL-P-VACX

High accuracy smart vaccine temperature probe

- -40 to +60°C (-40 to +140°F) measurement range
- Accuracy of ±0.1°C (-10 to 60°C), ±0.3°C (-40 to 60°C)
- Glycol filled bottle with 3m cable

EL-P-TPX+

High accuracy smart temperature probe

- -40 to +125°C (-40 to +257°F) measurement range
- ±0.2/±0.4 (-15 to +80°C/ +5 to +176°F) ±0.6/±1.1 (-40 to +125°C/ -40 to +257°F)
- 75mm stainless steel capped, 3m cable

EL-PROBE-EXTENDER

A choice of 1.5m, 3m, 5m or 10m extender cables for all probes

- Male 3.5mm Jack to Female 3.5mm Socket
- · Gold plated connections to limit signal loss

EL-MOTE-P-TP

Temperature thermistor probe

- -40 to +125°C (-40 to +257°F) measurement range
- Accuracy of ±0.8 (-15 to +70°C) ±1.5 (-40 to +125°C)
- 75mm stainless steel capped, 3m cable

EL-MOTE-P-TP+

High accuracy temperature thermistor probe

- -40 to +125°C (-40 to +257°F) measurement range
- Accuracy of ±0.2 (-15 to +80°C) ±0.6 (-40 to +125°C)
- 5mm diameter, 75mm stainless steel capped, 3m cable

EL-MOTE-P-T

Temperature thermistor probe

- -20 to +60°C (-4 to +140°F) measurement range
- Accuracy of ±0.5 (-20 to +60 $^\circ\text{C})$

EL-MOTE-P-T+

EasyLog

High accuracy temperature thermistor probe

- -20 to +60 $^{\circ}$ C (-4 to +140 $^{\circ}$ F) measurement range
- Accuracy ±0.15 (0 to +60°C) ±0.21 (-20 to +60°C)



For use with:

EL-WIFI-VACX

For use with: EL-WIFI-TPX+

For use with:

EL-P-TP	EL-WiFi-TP
EL-P-TP+	EL-21CFR-TP-LCD
EL-P-VAC	EL-WiFi-21CFR-TP
EL-P-VACX	EL-SMS-2G-TP
EL-P-TPX+	EL-SGD 43-ATP
EL-USB-TP-LCD	EL-SGD 70-ATP
EL-GFX-DTP	

For use with:

EL-MOTE-TP EL-MOTE-TP+ EL-MOTE-DTP EL-MOTE-DTP+

For use with:

EL-MOTE-TP EL-MOTE-TP+ EL-MOTE-DTP EL-MOTE-DTP+

For use with:

EL-MOTE-T

For use with:

EL-MOTE-T+



www.lascarelectronics.com /data-loggers

Thermocouple Probes (High & low temperature ranges)

- · Compatible with all EasyLog thermocouple data loggers listed below
- · Mini-thermocouple type connector
- Variety of measurement ranges covering -100 to 700 °C (-148 to 1292 °F)

Lascar's range of EasyLog thermocouple data loggers are designed to work with K, J and T-Type thermocouples fitted with a mini-thermocouple type connector. Your particular application will determine which probe is most suitable based on temperature range, accuracy, form and price. For specialist applications or advice, please contact your EasyLog distributor.

EL-P-TC-K

Basic thermocouple probe to get you started

- 0 to 200°C (32 to 392°F) measurement range
- Accuracy of ±2.5°C (±4.5°F)

EL-P-TC-K-SPIKE

measurement range

125m cable

** Over -40 to 375°C range

EL-P-TC-T-SURFACE

Accuracy of ±0.5°C

Silicone Rubber patch thermocouple

• 30 x 14 x 3.4mm Patch on 1.5m cable

Accuracy of ±1.5°C (±3°F)**

• 3mm diameter, 100mm stainless steel isolated probe on 1.5mm cable.

High accuracy temperature probe with a wide

-100 to 700°C (-148 to 1292°F) measurement range

· 3.3mm diameter stainless steel isolated probe on

-50 to 150°C (-58 to 302°F) Measurement range



For use with:

EL-USB-TC EL-USB-TC-LCD EL-GFX-TC FI-GFX-DTC EL-WiFi-TC **EL-WiFi-DTC** EL-21CFR-TC EL-WiFi-21CFR-TC EL-WiFi-21CFR-DTC WA-PRO-TC

For use with:

EL-USB-TC EL-USB-TC-LCD EL-GFX-TC **EL-GFX-DTC** EL-WiFi-TC EL-WiFi-DTC EL-21CFR-TC EL-WiFi-21CFR-TC EL-WiFi-21CFR-DTC WA-PRO-TC

For use with:

EL-USB-TC EL-USB-TC-LCD EL-GFX-TC **EL-GFX-DTC** EL-WiFi-TC **EL-WiFi-DTC** EL-21CFR-TC EL-WiFi-21CFR-TC EL-WiFi-21CFR-DTC WA-PRO-TC

For use with:

EL-MOTE-TC EL-MOTE-DTC EL-IOT-TC FI-SIF-TC WA-PRO-TC WA-PRO-ULT WA-PRO-ULT+



EL-SP-TC

Smart thermocouple probe including EL-P-TC-K

- Temperature measurement range of -200 to +1300°C (-328 to +2372°F). The K-type probe provided with the product measures between 0 to +200°C (+32 to +392°F) and other electrically isolated thermocouple probes can be used.
- Accuracy of ±1°C (±2°F) + Probe error
- 3mm diameter, 100mm stainless steel isolated probe on 1.5m cable
- Compatible with all K, J & T type thermocouples for extended range*

* Probe tips must be kept electrically isolated. If metal sheathed probes are used, check thet the sheath is isolated from the probe junction. If it is not or you are using an unsheathed probe, ensure that the probe tip is insulated.



www.lascarelectronics.com / data-loggers

electronics Issue 3 04/2024 Page 3 of 4

EL-P-TC-T-ULT

Ultra Low Temperature probes for cryogenic vaccine monitoring

- -100 to +100°C (-148 to +212°F) measurement range
- Accuracy of ±2.5°C (±4.5°F) typical
- 150mm stainless steel isolated probe on a 2m cable

EL-P-TC-T-ULT+

High Accuracy Ultra Low Temperature probes for cryogenic vaccine monitoring

- -100 to +100°C (-148 to +212°F) measurement range
- Accuracy of ±1.8°C (±3.2°F) typical
- 300mm stainless steel isolated probe on 2m cable

Temperature and Humidity Probe

EL-SP-TH

Temperature and humidity probe

- -30 to +80°C (-22 to +176°F) temperature measurement range
- Temperature accuracy of ±0.3 (+5 to +60°C) ±0.8 (-20 to +60°C)
- 0 to 100%RH humidity range
- Humidity accuracy of ±2%RH (20 to 80%RH) at 25°C
- 2m cable

EL-SP-TH+

High accuracy temperature and humidity probe

- -30 to +80°C (-22 to +176°F) temperature measurement range
- Temperature accuracy of ± 0.2 (+5 to +60°C) ± 0.8 (-20 to +60°C)
- 0 to 100%RH humidity range
- + $\pm 1.8\%$ RH (20 to 80) $\pm 4\%$ RH (0 to 100) humidity accuracy at 25°C
- 2m cable

EL-GFX-SP-2

Temperature and humidity probe

- -30°C to 80°C (-22°F to 176°F) temperature measurement range
- 0 to 100%RH humidity measurement range
- 2m cable

For use with:

EL-USB-ULT EL-USB-ULT-LCD EL-21CFR-USB-ULT EL-WiFi-DULT EL-21CFR-WiFi-ULT EL-21CFR-WiFi-ULT EL-21CFR-WiFi-DULT EL-MOTE-ULT EL-MOTE-DULT EL-IOT-ULT EL-SIE-ULT WA-PRO-ULT

For use with:

EL-USB-ULT+ EL-USB-ULT-LCD+ EL-21CFR-USB-ULT+ EL-WiFi-DULT+ EL-21CFR-WiFi-ULT+ EL-21CFR-WiFi-DULT+ EL-21CFR-WiFi-DULT+ EL-MOTE-ULT+ EL-MOTE-DULT+ EL-SIE-ULT+ WA-PRO-ULT+

For use with:

EL-MOTE-TH EL-IOT-TH EL-SIE-TH

For use with:

EL-MOTE-TH+ EL-IOT-TH+ EL-SIE-TH+

For use with:

EL-GFX-D2





