

**PIILIX-Design**

**DATASHEET  
EGTx Battery Operated  
Exhaust Gas Thermometer**

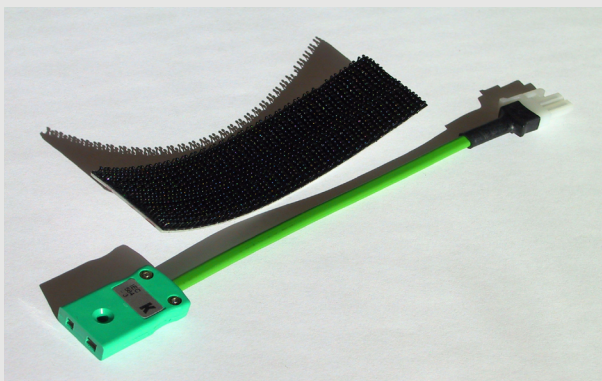


## GENERAL

EGTx is a one channel battery powered microcontroller based exhaust gas thermometer. It is designed for use with any K-type thermocouple sensor.

EGTx has a solid CNC-machined anodized aluminium body and it uses high quality components for reliable operation in harsh environment. It has been successfully used for over 10 years in motorcycle Ice road racing Championship series in Finland where it has proved its cold weather operation capabilities.

EGTx has adjustable warning light and peak memory. It also has low power LCD-backlight to help operation during darker times of the day.



## TECHNICAL SPECIFICATION

- Peak value memory and reset	
- Adjustable warning light	0-995°C (5°C step)
- Measurement range (Display only in °C):	0-999°C
- Measurement resolution:	~4°C (8-bit)
- Measurement accuracy (0-999°C):	± 7°C
- Current consumption (no lights):	0.7 mA
- Type of battery:	CR2450N 3V Lithium
- Battery lifetime without lights (25°C):	approx. 800h
- Battery lifetime with backlight ON (25°C):	approx. 200h
- Battery lifetime, all lights ON (25°C):	approx. 50h
- Operational temperature range:	-10C-+60°C
- Enclosure protection class:	IP55 (splash proof)
- Material of the case frame:	Anodized aluminium
- Window material:	2mm acrylic (hard coated)
- Cold point compensation operational range:	-10-+60°C
- Accuracy of the cold point compensation:	± 5°C
- Dimensions, no cable (width x height x depth):	61 x 41 x 27 mm 2.40" x 1.61" x 1.06"

## WARRANTY

One (1) year from purchase date, including competition use

## SCOPE OF DELIVERY

- 1 pc EGTx Display Unit
- 1 pc Wire Harness: Sensor wire; L = 0.15m (6")
- 1 pc 'Hook and Loop' Tape Fixing Kit
- 1 pc User Manual, English version

FOR DETAILED INFO, PLEASE DOWNLOAD USER MANUAL

[https://www.piiLix-design.fi/manuals/EGTx\\_USER\\_MANUAL\\_EN.pdf](https://www.piiLix-design.fi/manuals/EGTx_USER_MANUAL_EN.pdf)