TVC Europa B.V.
Raising your Quality

TVC Europa B.V. ECO130

- **Modern and functional housing**
- **Ideal for puncture and surface measurements**
- **3-line display / overhead display at the push of a button**
- **Backlight**
- **First-class thermocouple compensation**
- **Including traceable calibration certificate**
- **Robust, long battery life**
- **Hold-function to freeze measured values**
- **Min/Max function for minimum and maximum recorded measured values**
- **Quick Response Thermometer Type K**
- **Made in Germany**



DESCRIPTION

In the development of the new ECO 130 series, the focus was deliberately on the essential elements of measurement technology - the sophisticated thermocouple reference junction is the center of attention - for the best
final accuracy - here, despite the fair overall price in a class comparison, no savings were made! Precision, speed and reliability, packed in a compact and waterproof housing (exception: probe connection) makes the device a reliable partner for professional users and demanding hobbyists, Made in Germany.
Due to the first-class thermocouple compensation ("virtual ice point") with high-quality reference temperature measurement and sophisticated design, they achieve unrivaled measurement reliability in this class.

Display
Thanks to the backlight, the three-line LCD display offers ergonomic wide-angle visibility - by day and by night.
The HOLD function enables the display values to be frozen.
Power supply
2 powerful AA batteries, the energy-saving design and the configurable automatic switch-off function ensure long operation.
Configurable LCD backlight for further energy saving options.

TECHNICAL DATA

Measurement specifications

Inputs	Socket for minature flat-pin plug
Measuring range	Temperature -65.0 ... 1200.0 °C / -85.0 ... 2192 °F
Accuracy (nominal temperature)	Device: ±0.1 % v.MW. ±1 °C Reference junction: ±0.3 °C
Max. cable length	3 meter

General Specifications

Display	3-line with battery status indicator, Backlight, protected by shatterproof screen, overhead display at the push of a button
Power supply	2 x AA Alkaline batteries (included)
Power consumption	<1 mA
Battery life	> 3000 h typ. Continuous operation
Automatic power-off	Yes, configurable by the user
Operating conditions	-20 to 50 °C; 0 to 85 % r.h. (non-condensing)
Storage temperature	-25...65 °C (without batteries)
Protection class	IP40
Dimensions	108 x 54 x 28 mm (H x W x D)
Weight	108 x 54 x 28 mm (H x W x D)
Housing	Impact resistant ABS, Polyester (front panel)