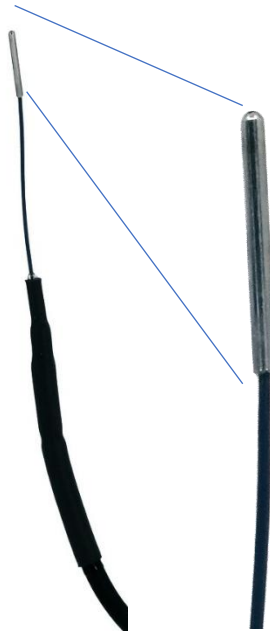


ECO 141 high-resolution thermometer, special probe Ø1.1 mm



Probe Probe detail:
Ø 1.1 mm

- Waterproof (IP65 / IP67)
- Highly precise adjusted at 37 °C e.g. for reference of medical products like incubators e.g. at IVF applications
- High resolution 0.01 °C and precision
- Miniaturized precision probe Ø1.1 mm
- 3-line display / overhead display at the push of a button
- Backlight
- Adjustable, optionally traceable with calibration certificates
- Robust, long battery life
- Hold-function and Min/Max function

DESCRIPTION

The ECO 141 is a high-precision reference thermometer for checking medical technology products e.g. like incubators, where the highest accuracy is required.

The miniaturized probe is designed to be inserted in appropriate reference bores and to measure on site quickly and without distortion.

Precision, speed and reliability, packed in a compact and waterproof housing makes the device a reliable partner for professional users. Made in Germany.

Display

Thanks to the backlight, the three-line LCD display offers ergonomic wide-angle visibility - by day and 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 additional energy-saving options.

ECO 141 high-resolution thermometer, special probe Ø1.1 mm

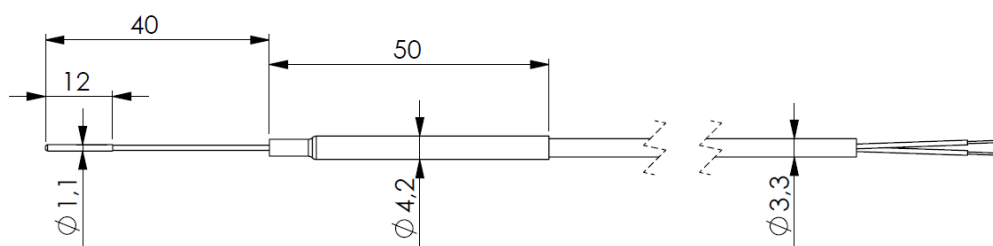
TECHNICAL SPECIFICATIONS

Measuring specifications

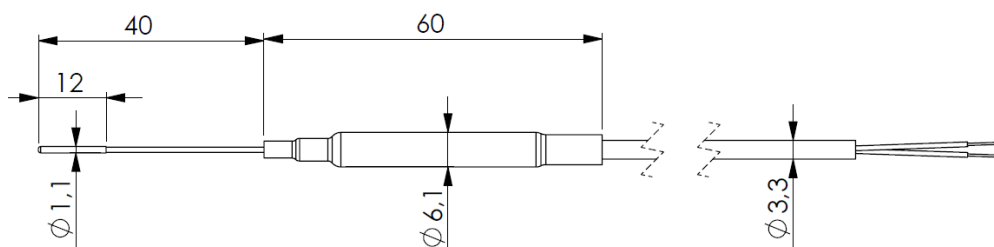
Inputs	NTC 30K, high precision
Measuring range	0.00 ... 80.00 °C
Accuracy (nominal temperature 25°C)	at 37°C better $\pm 0.05 \text{ K} \pm 1 \text{ digit}$ 0 ... 80°C: $\pm 0.1 \text{ K} \pm 1 \text{ digit}$
Resolution	0.01 °C
Probe	Ø 1.1 mm, length 12 mm intermediate cable Teflon 27 mm, Ø < 1 mm, intermediate sleeve: Ø4 x 45mm
Cable	1.2 m PVC, Ø 3.5 mm, fixed connection

General specifications

Display	3 lines with battery status indicator, Backlight, shatterproof screen, overhead display at the push of a button
Power supply	2 x AA Alkaline batteries (included)
Power consumption	ca. 0.4 mA, ca. 2 mA with backlight
Battery life	ca 5000 h typ. continuous operation
Automatic switch-off	Yes, configurable by the user
Operating conditions	-20 to 50 °C; 0 to 95 % r.n. (non-condensed)
Storage temperature	-20...70 °C (without batteries)
Protection class	IP65 / IP67
Dimensions	108 x 54 x 28 mm (H x W x D)
Weight	approx. 145 g (with battery)
Housing material	Impact resistant ABS, polyester (front panel)



Probe of ECO 141 : Slim version



Probe of ECO 141 -F: Reinforced version

Product Datasheet

ECO 141 high-resolution thermometer, special probe Ø1.1 mm

SCOPE OF DELIVERY

- Handheld without sensor (depending on set, please refer to „ordering code“)
- Test protocol, optional ISO 9001 calibration certificate
- 2x AA batteries
- Manual

ORDERING CODE

ECO141		
Waterproof high-resolution thermometer, special probe Ø1.1 mm (formerly G 1781)		
1	Set-Option	
		Device only
	-GKK1000	Device in case GKK 1000
2	Version	
		Probe length 12 mm, intermediate cable Teflon 27 mm, Ø < 1 mm, transition sleeve: Ø4 x 45 mm
	-F	Probe length 12 mm, intermediate Teflon cable 27 mm, Ø < 1 mm, reinforced transition sleeve: Ø6 x 60 mm
3	Calibration	
	-WPT3B	Temperature factory calibration, test points: 0 °C, 37 °C, 70 °C, not DAkkS accredited

STANDARD ARTICLES

ECO141	Device only, with Micro-Probe Ø1.1 mm	Art no. 486770
ECO141-F	Device only, with Micro-Probe Ø1.1 mm reinforced transition sleeve: Ø6 x 60 mm	Art no. 489238
ECO141-GKK1000-WPT3B	Device in case GKK 1000, ISO-calibration WPT3 -0 °C, 37 °C, 70 °C	Art no. 487101
ECO141-GKK1000-F-WPT3B	Device in case GKK 1000, ISO-calibration WPT3 -0 °C, 37 °C, 70 °C reinforced transition sleeve: Ø6 x 60 mm	Art no. 489237

ACCESSORIES

G1000-Cover	ECO-line/G 1000 rubber protection cover, incl. 2 neodymium magnets	Art no.: 483958
G1000-BASE	ECO-line/G 1000 combined table base / wall suspension	Art no.: 481885
GKK1000	Carrying case	Art no.: 611603

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