

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



- Modern and functional housing
- Excellent price-performance ratio
- Waterproof (IP65 / IP67)
- Highly precise calibration around 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 to freeze measured values
- Min/Max function for minimum and maximum recorded measured values
- Made in Germany

Product Datasheet

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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 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 additional energy-saving options.

TECHNICAL SPECIFICATIONS

Measuring specifications

	ECO 141
Inputs	NTC 30K, high precision
Measuring range	0.00 ... 80.00 °C
Accuracy	at 37°C better ± 0.05 °C
Resolution	0.01 °C
Max. cable length	3 m

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	<1 mA
Battery life	> 3000 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	-25...65 °C (without Batterien)
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)

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Scope of delivery

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

ORDERING CODE

ECO141		
Waterproof high-resolution thermometer, special probe Ø1.1 mm (formerly G 1781)		
1	Set-Option	
	-GKK1000	Device only Device in case GKK 1000
2	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.Nr. 486770
ECO141-GKK1000-WPT3B	Device in case GKK 1000, ISO-calibration WPT3 -0 °C, 37 °C, 70 °C	Art.Nr. 486771

Accessories

Spare parts

GB-AA-2	Spare batteries 2x AA	Art.Nr. 479249
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Additional Accessories

ST-G1000	Protection bag with belt clip	Art.Nr. 611373
GCLIP1000	Metal belt clip self-adhesive	Art.Nr. 475820
G1000_BASE	G 1000 table base and wall suspension	Art.Nr. 481885
GKK1000	Carrying case	Art.Nr. 611603

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