

ECO 120 SoilTemp: Robust soil / compost thermometer



- waterproof (IP65 / IP67)
- Robust stainless-steel probe Ø10 mm
- Ergonomic T-handle
- Alarm function
- Laser welded tip
- For measurement in soil, compost, straw, wood chips and comparable bulk goods
- 3-line display / overhead display at the push of a button
- Backlight
- Robust, long battery life
- Hold-function to freeze measured values
- Min/Max function for minimum and maximum recorded measured values

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DESCRIPTION

The ECO 120-SoilTemp is a robust and reliable agricultural thermometer that can measure the temperature in bulk goods and soil, thanks to the ultra-robust and ergonomic steel probe.

The laser welded tip is best solution both being robust and fast

The integrated alarm function can be set to a critical temperature, e.g. 50°C.

Precision, speed and reliability, packaged in a compact and waterproof instrument housing, make the device a reliable partner for professional users.

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.

TECHNICAL SPECIFICATIONS

Measuring specifications

Input	BNC socket for exchangeable probes, see accessories / exchangeable probes
Measuring range	Instrument: -200.0 ... +450.0 °C allowable range of probe: -50.0 ... 250.0°C
Accuracy (nominal temperature 25°C)	-20 ... +100 °C: ±0.1 K ±1 digit otherwise with 0.1 % of value ±2 digits plus probe inaccuracy acc. to class AA: ±0.3K @ 0°C)
Resolution	0.1 °C
Probe	GTF40-T, Ø 10 mm, length 620/1000/1500mm, BNC -cable integrated Pt1000 2-wire class B
Cable	Probe cable 1 m, BNC

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	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	IP67
Dimensions	108 x 54 x 28 mm (incl. BNC: 116 x 54 x 28 mm)
Weight	Instrument: ca. 130 g (inc. battery) Probe 620/1000/1500mm: ca. 500g/700g/1100g
Housing material	Impact resistant ABS, polyester (front panel)

Family Datasheet

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SCOPE OF DELIVERY

- Handheld
- Probe with fixed cable
- Test protocol
- 2x AA batteries
- Manual

ORDERING CODE

ECO120-SoilTemp		
Robust soil / compost thermometer		
1	Set-Option	Device complete in carton box
2	Calibration	
	620	Stainless steel insertion probe, FL 620 mm
	1000	Stainless steel insertion probe, FL 1000 mm
	1500	Stainless steel insertion probe, FL 1500 mm

STANDARD-ARTICLES

ECO120-SoilTemp- 620	Device complete in carton box with insertion probe, FL 620 mm	Art no. 487842
ECO120-SoilTemp- 1000	Device complete in carton box with insertion probe, FL 1000 mm	Art no. 487843
ECO120-SoilTemp- 1500	Device complete in carton box with insertion probe, FL 1500 mm	Art no. 487844

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