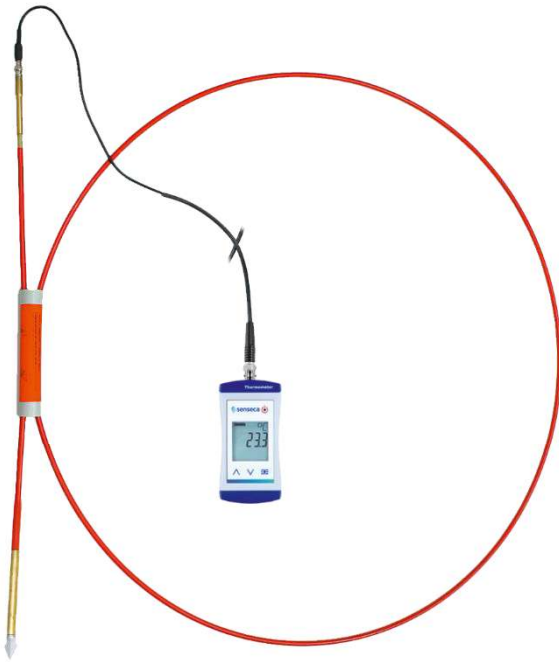


ECO 120 HayTemp: Robust hay and straw thermometer



- Robust glass fiber probe Ø10 mm, 4 or 6 m
- Alarm function
- Hardened cutting tip, exchangeable
- For measurement in hay and straw stocks
- For support of hay protection
- 3-line display with backlight
- Robust, long battery life
- Hold-function to freeze measured values
- Min/Max function for minimum and maximum recorded measured values

DESCRIPTION

Since stored hay or straw, etc., tends to overheat (loss of value) or even self-ignite, especially when the material moisture content is high due to biological processes, it is important to regularly check the temperature in the hay stock, especially in the case of freshly stored hay. There is a fire hazard at temperatures as low as 60°C. In addition, hay that is stored too moist degrades and thus endangers animal health. The ECO120 HayTemp provides optimal support for both farmers and fire brigades – for greater safety and quality in hay storage..

Probe

The robust fiberglass probe with forged cutting tip penetrates the storage easily to quickly and reliably measure the internal temperatures with the temperature sensor integrated in the tip.

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.

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TECHNICAL SPECIFICATIONS

Measuring specifications

Input	BNC socket for exchangeable probes
Measuring range	Instrument: -200.0 ... +450.0 °C allowable range of probe: -20.0 ... 120.0°C
Accuracy (nominal temperature 25°C)	-20 ... +100 °C: $\pm 0.1 \text{ K} \pm 1 \text{ digit}$ otherwise with 0.1 % of value $\pm 2 \text{ digits}$ plus probe inaccuracy acc. to class AA: $\pm 0.3 \text{ K @ } 0^\circ\text{C}$
Resolution	0.1 °C
Probe	Fiberglass probe $\varnothing 10 \text{ mm}$ with hardened cutting tip, length 4 or 6 m, 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 4 m / 6 m: ca. 600 g/800 g
Housing material	Impact resistant ABS, polyester (front panel)

