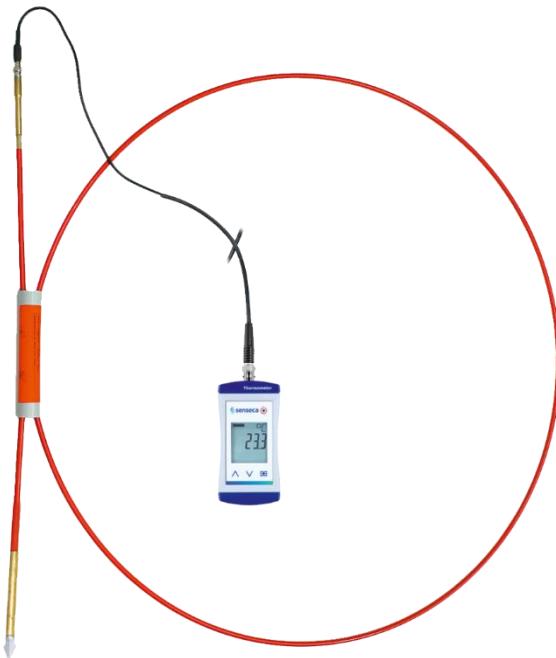


ECO 120 HayTemp: Robust hay and straw thermometer



- 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 Ø 10 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) |

ECO 120 HayTemp: Robust hay and straw thermometer

SCOPE OF DELIVERY

- Handheld
- Probe connection cable and cutting tip
- 2x AA batteries
- Manual

ORDERING CODE

| ECO120-HayTemp | | |
|----------------------------------|------------|--|
| Robust hay and straw thermometer | | |
| 1 | Set-Option | Device complete |
| 2 | Probe | length 4 meter 4M length 6 meter 6M |

STANDARD-ARTICLES

| | | |
|-------------------|--------------------------------|----------------|
| ECO120-HayTemp-4M | Device complete with probe 4 m | Art no. 487840 |
| ECO120-HayTemp-6M | Device complete with probe 6 m | Art no. 487841 |

ACCESSORIES

| | | |
|----------------|---|----------------|
| HAYTEMP-SPITZE | Replacement: Cutter tip for HayTemp 285/1700/ECO120 | Art no. 606889 |
| HAYTEMP-FIBER | Replacement: 4 meter fiber glass probe, without probe tip | Art no. 604407 |

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