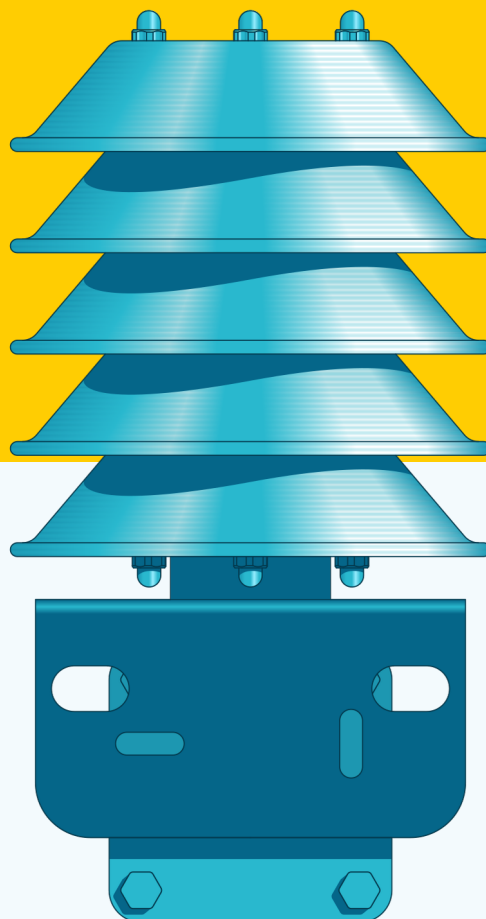


Thermo-hygrometer FD-TH100

High-precision thermo-hygrometer for ambient temperature and humidity monitoring. Features a multi-plate radiation shield for accurate readings, maintenance-free operation, and seamless integration with telemetry and data logging systems.



Features

- › Professional-grade radiation shield
- › High measurement accuracy
- › Resistant to extreme weather conditions, UV radiation, and corrosion
- › Low power consumption
- › Compact and lightweight design for easy field installation
- › Calibration available through accredited laboratories

Applications

- › Wind speed measurements on masts
- › Meteorology and climatology
- › Water sports, aviation, and skiing
- › Road weather protection systems
- › Agriculture



Temperature Performance Specifications

Range	-55 °C...+125 °C
Resolution	0.01 °C
Accuracy	0.1 °C

Humidity Performance Specifications

Range	0...100% RH
Resolution	0.01%
Accuracy	1%

Output Signal

Signal Type	RS485 MODBUS protocol
Connector (socket)	M12 male connector, 4-pin configuration
Connector (plug)	M12 female plug, straight, 4-pin configuration

Power Supply

Supply voltage	6...30 VDC
Current consumption	16 mA @ 12 VDC
Surge protection	Transient Voltage Suppressor (TVS)
Short-circuit and overload protection	Polymeric Positive Temperature Coefficient fuses (PPTC)



Physical

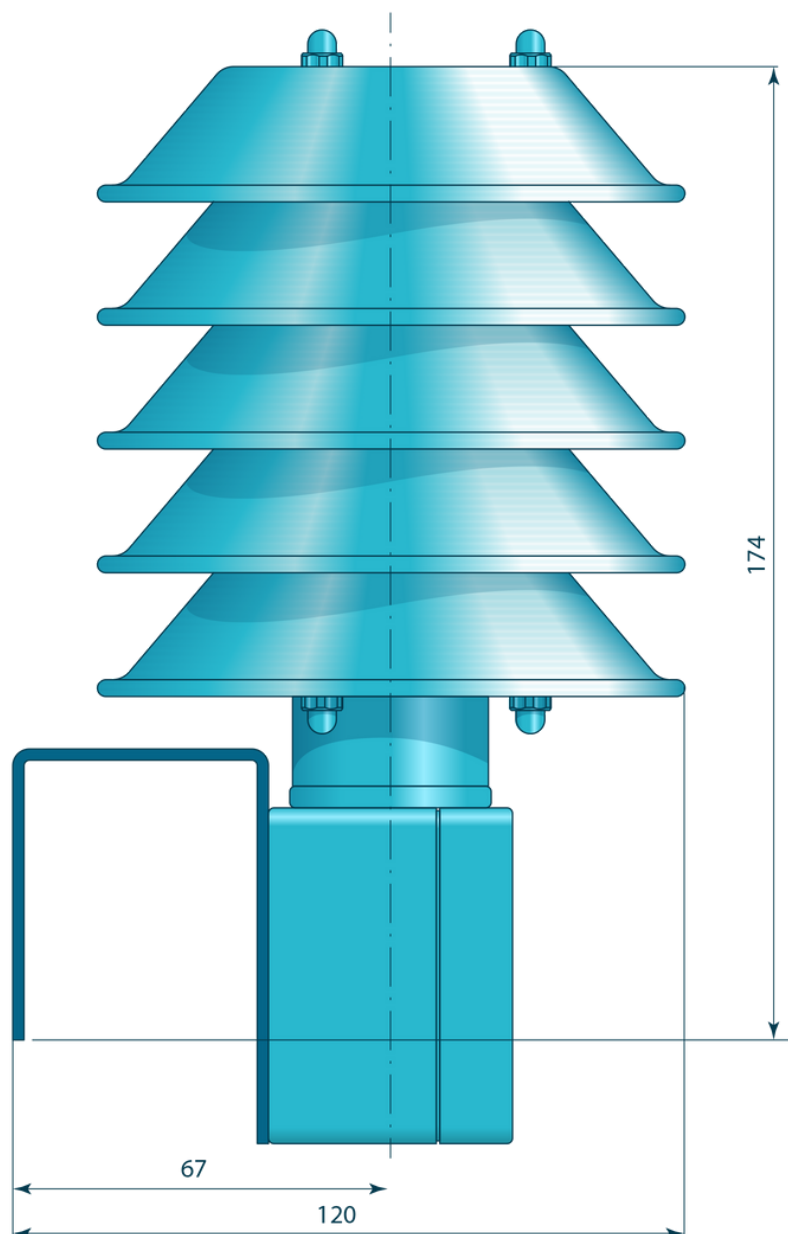
Housing material	PC (Polycarbonate)
Ingress protection (IP)	IP65
Overall height	195 mm
Weight	205 g
Shipping weight	700 g
Shipping dimensions	288 x 110 x 157 [mm]

Installation

Mounting	U-bolt
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Dimensions



Dimensions

