



Pointed micro climate sensor

Combination of the pointed temperature sensor and the vented temperature humidity sensor.
Able to measure surface temperature, air temperature and humidity.

It calculates Dewpoint (°C), Absolute humidity (g/m3), Humidity deficit (g/m3), VPDleaf (kPa) and Absolute difference between temperature and Dewpoint.

The Barani Design MeteoShield Pro has been specifically designed to withstand radiation from the sun or artificial lighting.



Specifications

Operating conditions	Temperature -10 to 55 °C
	Relative humidity up to 85% non-condensing
Dimensions (L x W x H)	Temperature/humidity sensor: 145 x 20mm
	Pointed temperature sensor: 2 x 24 mm (d x L)
	Meteo shield: 226 x 170 mm

Measurement specifications

Surface temperature	Range	-70 to 380 °C
	Accuracy	±0.5 °C (from 0 to 50 °C)
	Resolution	0.02 °C
Temperature	Range	-40 to 125 °C
	Accuracy	±0.2 °C
	Resolution	0.02 °C
Relative humidity	Range	0 to 100% RH
	Accuracy	±1.5% RH
	Resolution	0.01% RH



30MHz Connect

Every 30MHz sensor is powered by the Connect. It acts like the middleman between the sensor and the platform. This casing protects the electronics from greenhouse environment like moisture, dirt, and changing climate conditions.

The connect comes with a universal mounting bracket.



Specifications

Operating conditions	-10 to 55 °C (10 to 45°C while charging)
Dimensions (L x W x H)	Case: 183 x 113 x 107 mm
	Mounting bracket: 165 x 210 x 205 mm
Range	Indoors from 200 to 400 m (depending on Greenhouse layout)
Power source	Rechargeable battery (duration dependent on the sensor connected)
Protection	Water and dust according to IP67

