TURNING INFORMATION INTO PROFITS.

Product Portfolio

Technical Catalogue & Software Solutions

Pessl INSTRUMENTS

METOS®

µMETOS CLIMA

MEMBER OF LoRa Alliance

µMETOS CLIMA is a LPWAN weather station that operates on LoRaWAN or NBIoT network. It can be connected to any existing LoRaWAN or NBIoT network, if present at your location.
It is designed to monitor basic climate parameters (rain and temperature, humidity, frost, leaf wettness, solar radiation, wind speed), soil characteristics (soil moisture and soil temperature), as well as water level, water EC and pH.
Data is permanently measured in 5-minute intervals and sent every 15 minutes to the server. All the data is synchronized with FieldClimate.

TECHNICAL SPECIFICATIONS

Housing	UV resistant polycarbonate plastic (Protection class IP65)
Dimensions	30 cm L x 16 cm W x 19 cm H
Weight	1.6 kg
Connectivity	**LoRa:** within LoRaWAN network range. **NBIoT:** please check your local network provider.
Battery	6V charging battery with solar panel
Solar panel	Dimensions: 13.5 x 13.5 cm, 2 Watt solar panel
Measuring interval	5 minutes (by default)
Logging and transmission interval	15 min (by default)

Product Variations

Communication: All product variations exist in LoRaWAN and NBIoT versions.

µMETOS FROST
Wet & Dry bulb temperature.

µMETOS DISEASE
Rain gauge, air temperature, air humidity and leaf wetness.

µMETOS FARMING
Rain gauge, air temperature, air humidity, leaf wetness and soil temperature.

µMETOS ET_0
Rain gauge, air temperature, air humidity, global radiation, wind speed.

µMETOS ET_0 FARMING
Rain gauge, air temperature, air humidity, global radiation, wind speed, soil temperature, leaf wetness.

µMETOS TUNNEL
Air temperature, air humidity, 1 x Watermark sensor, 1 x Pessl Instruments PI 54-A sensor.

µMETOS TUNNEL PLUS
PAR quantum sensor, pH + EC sensor (without electrode)

µMETOS TUNNEL COMPLETE
Air temperature, air humidity, PAR quantum sensor, pH + EC sensor (without electrode).

µMETOS HYDRO
Water level sensor (1 bar).

µMETOS HYDRO PLUS
Rain gauge, water level sensor (1 bar), 1 x Watermark sensors

µMETOS CLIMA