# Mod. **QUIDO**

Compact Agrometeorological Station with IoT technology

- Compact agrometeorological station with certified sensors
- Latest generation narrow-band technology
- Battery powered and long autonomy
- Simple to install and no requires specific maintenance
- Historical Database always available
- Four different ways of data transmission
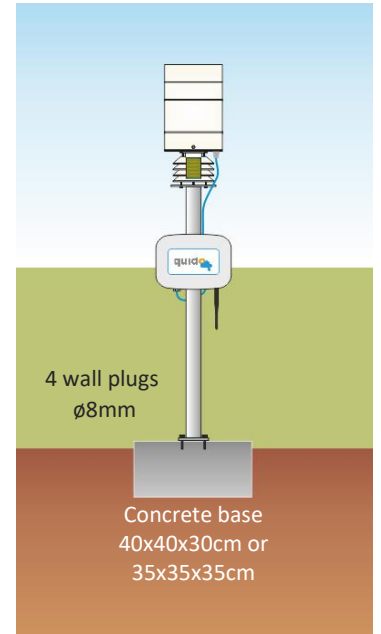- IP65 enclosure
- According to $C \epsilon$ norms

Wireless Agrometeorological Station for the measurement of: **Rain, Temperature, Humidity and Leaf wetness, and soil humidity**(optional) professional and with certified instrumentation. Equipped with inbuilt **IoT transmission system via Sigfox, LoraWan, or GPRS**. **Ultra low power** consumption, designed for the acquisition of agro-meteorological parameters, useful for the guided against diseases and water management of the main cultures. With high precision sensors, data measures are transmitted every 15 minutes to a cloud server, where are processed and made available to the user. **The historical data are available on the server for direct use via a web interface or via APP**.

Configuration	Temperature	Humidity	Rain	Leaf wetness	Soil moisture (optional)
Range	-40°C ÷ +60°C	0 to 100 %RH	0 ÷ 600 mm/h	Dry / Wet	0-100% m^3
Accuracy	±0.3°C	±2%	±3%	±1min	± 3% (0-50%)
Resolution	0.05 °C	0.2%	0.2mm	1min	<0.002 m^3/ m^3
Transmission frequency (Hz)	860 ÷ 920MHz– programmable or quad band (GSM/GPRS) for different countries				
Radio Coverage	SigFox up to 15Km, Lora/NESA up to 8Km, GSM/GPRS based on availability of operator in area				
Transmission protocols	SigFox, LoRa/Lora-Wan, property, Socket TCP-Ip, MQTT				
Working temperature	-40 ÷ +60°C				
Power and consumption	1 x non-rechargeable 3.3V 8000mA type C2 lithium battery; Rechargeable battery from power bank, network or mini external solar panel (2000mA)				
Size	~455 x 300mm (excluding pole), 200cm pole heigh included				
Enclosure	Die-cast aluminium for outdoor IP65				
Weight	8Kg including 2m pole				

Size and connections

30 cm

45cm

200cm

Depth ~50cm
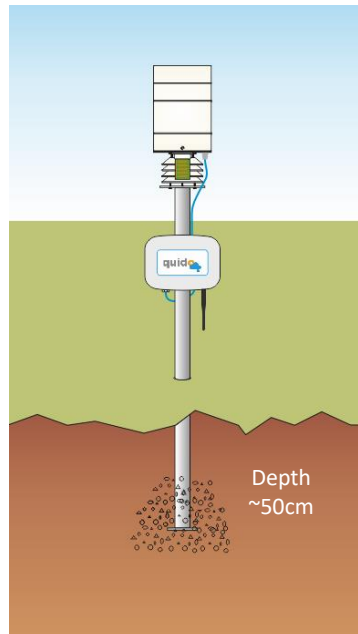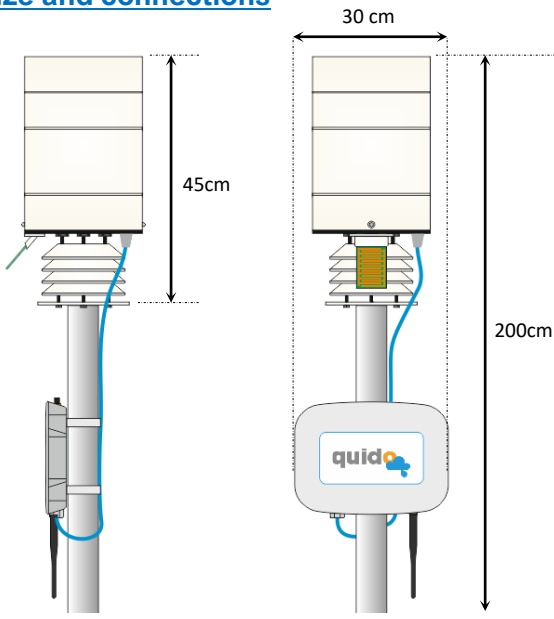
Installation inside the ground

4 wall plugs ø8mm

Concrete base 40x40x30cm or 35x35x35cm

Installation ona a basement

Order Code

Radio module	QUIDO.SigFox: with SigFox protocol	QUIDO.SigFox		
	QUIDO.LoRa: with Lora/LoraWan protocol	QUIDO.LoRa		
	QUIDO.NESA: with NESA protocol	QUIDO.NESA		
	QUIDO.SMS: with TCP protocol	QUIDO.SMS		
	Option for Soil Moisture	+SM.2		
Power Supply	Lithium battery 8000mA tipo C2		N	-P version
	Rechargable battery 2000mA		R	
	Solar panel 5W		P	
	example of order code	QUIDO.SMS	P	Gateway