

UNLOCK YOUR POTENTIAL



100% wireless

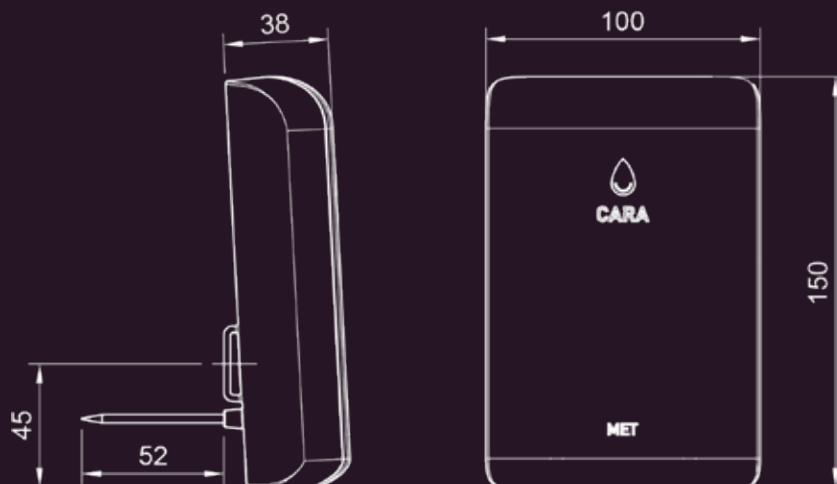
High accuracy in EC range
from 0-12

Connected with leading data
platforms and climate computers

To measure accurately is to really know

CARA MET ROOT ZONE SENSOR

Measurements	Moisture Content (MC), Electrical Conductivity (EC) and Temperature (T)	
Measurement volume		±100 cm ³
Communication range	Indoor	±50 m / ±164 ft (fully grown crop)
Transmitter power		10 dBm
Frequency		Depends on region
Volumetric Moisture Content (VMC)	Range	0.0–1.0 m ³ /m ³ (Soilless media)
	Resolution	0.001 m ³ /m ³
	Accuracy	±0.025 m ³ /m ³ typical
Apparent dielectric permittivity	Range	1 f(T) air - 80 f(T) water
	Resolution	0.01
	Accuracy	1–25 (±2.5%) 25–80 (±2%)
Temperature	Range	0–50 °C
	Resolution	0.1 °C
	Accuracy	±0.5 °C
Bulk Electrical Conductivity	Range	0–12 mS/cm (@ 25 °C)
	Resolution	0.01 mS/cm
	Accuracy	±0.5 mS/cm
Data upload interval		Default 5 minutes, other intervals under request
Data security		End-to-end encryption
Power supply		3xAA alkaline batteries
Battery lifetime @ 25 °C / 77 °F		Approx. 8 months
Operating conditions	Temperature	0–50 °C / 23-122 °F
	Humidity	0–100%
Material		ABS
Dimensions (L × W × D)		150 mm x 100 mm x 38 mm / 5.9" x 3.9" x 1.5"
Weight (without batteries)		271 g
Protection rating		IP67
Certifications		FCC, ISED, RED



For more information about the **CARA MET** root zone sensor, mail us at info@sensenl.com or contact us by phone at +31 (0) 85 876 8909