



IoT SMART HANDHELD/ ONLINE SOIL NUTRIENT MONITORING SYSTEM



Online soil nutrient detector



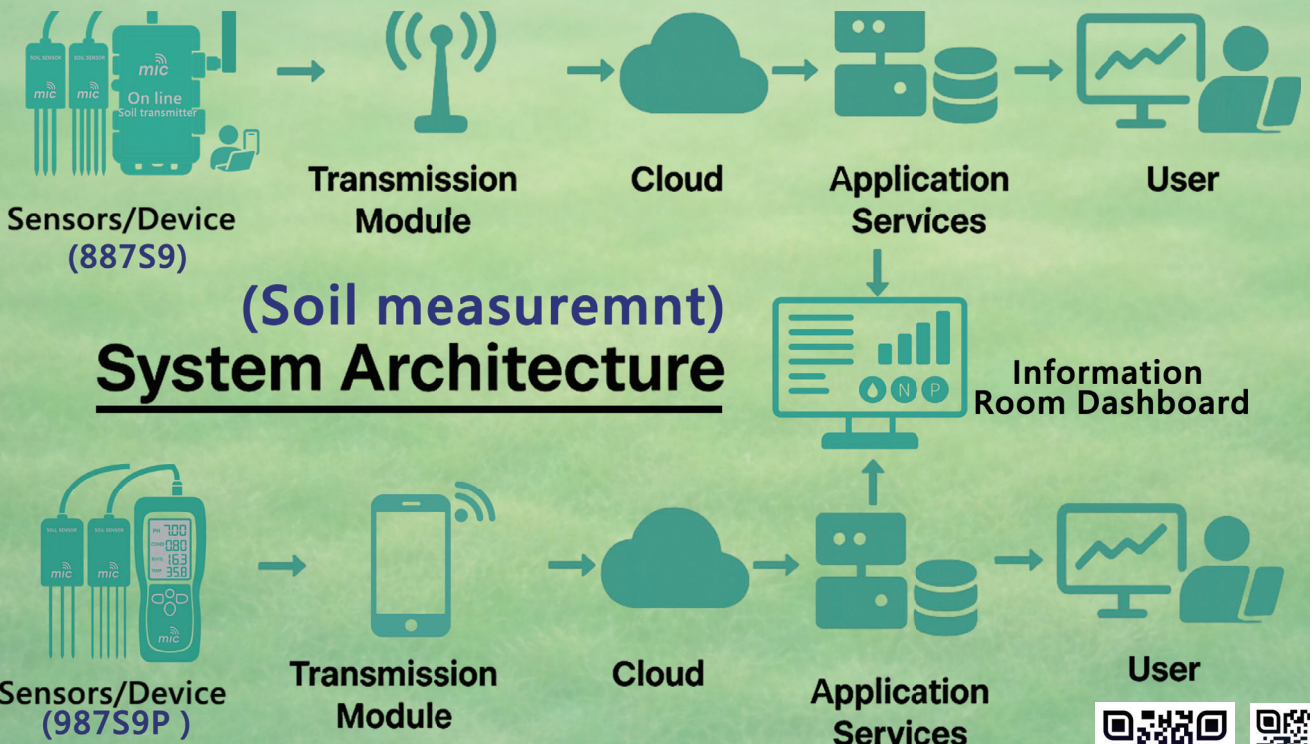
Smart IoT Soil meter



Online greenhouse soil nutrients LED display



soil nutrients real-time dashboard



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IoT SMART 9IN1 SOIL METER



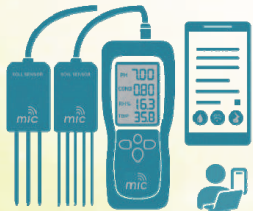
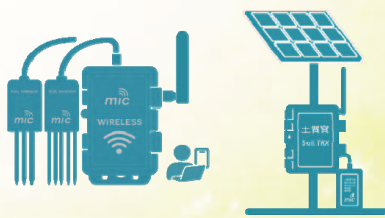
An all-in-one smart soil meter that measures 9 key soil parameters, including soil temperature, moisture, pH, EC, nitrogen (N), phosphorus (P), potassium (K), and deep soil temperature and moisture, without the need for sampling—just insert the probe for instant readings.

The handheld model supports BLE Bluetooth connection and allows photo capture, with data automatically synced to the cloud for centralized management of multiple fields. It enables real-time monitoring of soil health and early detection of water stress, nutrient deficiencies, or pH abnormalities.

The Online Soil model supports 4G or WiFi cloud data transmission and can be powered by solar energy, making it ideal for long-term fixed-point monitoring, precise fertilization, and smart crop management.



IoT SMART SOIL METER SPECIFICATION

Smart Portable Soil meter	On line Soil monitoring Transmitter
	
PH Range&Res.	3~9 pH, 0.1pH
PH Accuracy	±0.3pH
EC Range&Res.	0~10000 uS/cm, 0.01 mS/cm
EC Accuracy	±2%FS
T (C) Range&Res.	-40~80°C, 0.1°C
T (C) Accuracy	±0.5°C
MC (%) Range&Res.	0~100%, 0.1%
MC (%) Accuracy	±3% (0~53%) ±5% (Others)
NPK Range&Res.	(0~1999 mg/kg,0~1999 ppm); 1ppm
NPK Accuracy	±2%(FS: Full Scale)
Probe Length	10 cm

Category	Smart Portable Soil meter						On line Soil monitoring Transmitter		
Model	987S5B	987S5A	987S7	987S8+SD	987S8D+SD	987S9P	887S5	887S7	887S9
PH	✓		✓	✓	✓	✓	✓	✓	✓
EC	✓		✓	✓	✓	✓	✓	✓	✓
T(C)	✓	✓	✓	✓	✓	✓	✓	✓	✓
MC(%)	✓	✓	✓	✓	✓	✓	✓	✓	✓
NPK		✓	✓	✓	✓	✓		✓	✓
Bluetooth						✓			
SD memory Card				✓	✓	✓			
Spare sensors					✓	✓			✓
Soil solar power (WiFi)	N/A						✓	✓	✓
WiFi wireless or 4G	N/A						✓	✓	✓
Packing box	White ABS carrying case			Hard carrying case			Paper box		
Packing box dimensions	330x260x70 mm			400 * 300 * 11 mm			Carton size may vary per shipment		
Packing box weight	1.3 kgs		1.5 kgs		2.85 kgs		Cartonweight may vary per shipment		