

Soil Moisture, Temperature & EC Recorder

“Instrumex” make Soil Moisture, Temperature & EC Recorder offers professional Soil monitoring and good value for money. The standard Soil Moisture Temperature Recorder consists of a weatherproof enclosure, which contains the data logger and power supply, and comes complete with a solar panel, tripod stand and Sensor. Measure every major environmental condition with this powerful sensors & Data logger. Measurements can automatically store in systems memory as per user selectable logging period. Comes with integral solar panel, which will easily keep the batteries charged throughout the year. A durable hard enclosure protects the data logger from weathering. User-replaceable SMF batteries. Data file is saved in Microsoft’s Excel.

Features & Specifications

- Sensor Input: Soil Moisture, Temperature & EC Sensor
- Standard system comes with One Soil Moisture, Temperature & EC Sensor

Parameter Monitored: Date, Time, Soil Moisture in %, Soil Temperature in °C, Soil EC in mS/cm and Battery Voltage.

- Keyboard: 4x2 membrane keypad for onsite programming of data logger.
- Real Time Clock accuracy: Internal with ± 2 minutes / year & leap year compensation
- Display: 16 Characters X 2 Lines alphanumeric display,
- Number of Channels: Eight
- Channels Configuration: Factory configured sensors as per purchase order.
- Memory: More than 16000 data points (extendable at extra cost). store 1 year data at user’s selectable 1 hour interval



Soil Moisture, Temperature & EC Recorder



- ADC Resolution: 16+ bits, Unattended recording. Virtually maintenance free
- Logging Interval: 1 min to 24 Hr program log Start time within next 24 hours
- Operating Temperature: - 40 to 75 °C. Humidity: 0 to 95 % non-condensing.
- Power Supply: 12V SMF battery, Charging: Solar Panel / 220V AC (Optional).
- Battery Life: More than 1.5 Years (Easily Available in local Market)
- Solar Panel:: 12 Volt DC, Wattage: 10, 20 & 40 Watt (as per system power requirement)
- Along with Small Stainless Steel Tripod
- Data Output Format: MS- Excel
- Data retrieval: Data shuttle (default) to Computer. Other options also available (at extra cost).

Other options: Ethernet, 2G/3G/4G enabled Web based telemetry at Instrumex Portal

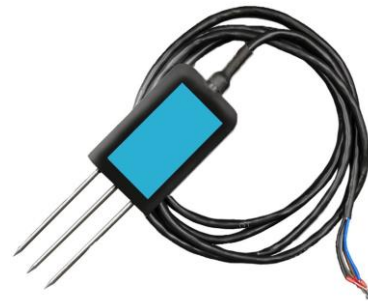
Soil Moisture, Temperature & EC Sensor

Moisture Range: VWC: 0–100% (Accuracy $\pm 3\%$)

Electrical Conductivity: 0 -10 mS/cm (Accuracy $\pm 2\%$)

Soil Temperature: -40 to 80°C (Accuracy ± 5 Degree C)

Sensor Cable length: 6 meters



Application Software (Instrumex)

user-friendly, Menu Driven, Windows based software allows you to view & save collected data from data logger to computer/laptop. Data file is saved in Microsoft's Excel format



Soil Moisture, Temperature & EC Recorder



Ordering Guide

SN	Description	Model No.
1	Soil Moisture, Temp & EC Recorder with Data Shuttle option	SMTECR-VH-D
2	Soil Moisture, Temp & EC Recorder with Ethernet option	SMTECR -VH-E
3	Soil Moisture, Temp & EC Recorder with GPRS Telemetry option	SMTECR -VH-GPRS

DUQE Square Business Centre, Quarter
Deck, Queen Elizabeth 2, Mina Rashid,
Dubai (United Arab Emirates)

Tel. +971-525829733

E-mail: sales@instrumex.ae

Represented by

**Drawing/specifications are subjected to change at any time without prior notice as per manufacturing suitability.

