



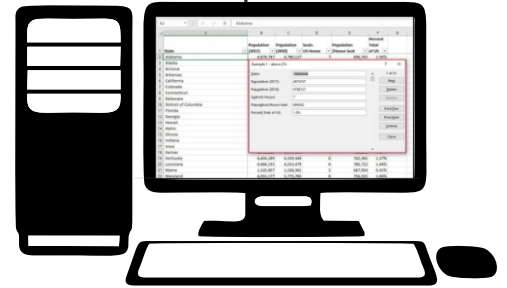
Data Logger

Wired Interface



Soil Sensor

USB/SD Card



Data Logger Features

- The Portable / Handheld Soil Data Logger
- It measure various soil parameter like (EC,Temp,Mositure)
- Data can be download in excel form
- Interface with USB/SD Card
- 4 Analog / 4 Digital Channels, 4-20 mA / 0-5V input ports.
- GPRS / GSM facility & GUI software for online server.
- Rs232/Rs485/Modbus communication port .
- Relay for controlling real time application.
- Set point feature in all channel.
- LCD display facility(20X4).
- Battery operated (Backup up to 6-8 hour).
- 8/16 GB memory card storage & store data

Sensor Specification

- | | |
|---|--|
| ▪ DC power supply (default) | DC12-30V |
| ▪ Power consumption | 1.2W |
| ▪ Operating temperature | -40 - +80°C |
| ▪ Conductivity parameter | Range: 0-10000us/cm
Resolution: 10us/cm
Accuracy: ±3% |
| ▪ Soil moisture parameter | Range: 0-100%
Resolution: 0.03% within 0-50%, 1%within 50-100%
Accuracy: 2% within 0-50%, 3%within 50-100% |
| ▪ Conductivity temperature compensation | Built-in temperature compensation sensor, compensation Range 0-50 °C |
| ▪ Protection level | IP68 |
| ▪ Probe material | Anticorrosive special electrode |
| ▪ Sealing material | Black flame retardant epoxy resin |
| ▪ Default cable length | 2 meters, cable length can be customized according to requirement |
| ▪ Dimension | 45*14*135mm |
| ▪ Electrode length | 70mm |
| ▪ output signal | 4-20mA. |



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