Specification

Data Logger

- 8 Channels.
- Analog / digital /4-20 mA / 0- 5V input ports.
- Rs232/Rs485/Modbus communication port.
- Robust, Stand alone, low power data logger
- with USB memory stick support
- Low power, ideal for remote siting
- Full instructions & Manufacturer's support
- Dual Channel solation Technology
- 2 Serial 'Smart Sensor' ports
- LCD display for onsite reading
- Logging option Configuration by minutely, hourly, Daily
- Optional – GUI software for display the channel and to manually set rate for the sample and hold the channel number.
- Extensive 8 Mb on- memory (Non– volatile) Around 1,000,000 Sets
- SDI-12 (multiple networks)
- Programmable Analog Output
- Modbus for SCADA connection
- Web & FTP client/ server
- Up to 15 Analog (± 50V) sensor inputs
- Hex keyboard to set the various Parameters to Configure the Channel
- Lock key facility
- Battery indicator
- Reset switch facility
- GSM/GPRS Facility available (Remote Communication)
- SD card storage facility available (Local Communication)
- 4-meter Tiltable pole
- Mains or solar powering
- USB memory for easy data and program transfer
- Removable Screw Terminals
- Inter-Channel isolation up to 100 volts
- Size table top Enclosure: Hand Held / Wall mountable/ Weather proof (IP65)

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Specification

Data Logger System

- LCD display with 2 line 16 characters with back light
- Operating Temperature range: - 45 DegC to 70 DegC
- Display functions – channel data, alarms and system status
- Key pad for function execution
- Real Time Clock: resolution200 µs accuracy+/- 1 min /year
- Power supply: 10 to 30 Vdc facility to connect additional power source to system.
- 6V (1.2AHr) lead acid internal battery with 3.5 Months of operating capacity with I hour sampling
- Powdered coated Zinc and anodized aluminum
- Weight 1.5 Kg
- Inbuilt signal conditioning for various parameter i.e. voltage, current, temperature (TC, RTDs, Thermistors, etc.) and various IC sensors Digital Channels
- 8 Bi-directional channels for state & count input and state output
- Digital Input Type : 8 logic level measures state or low speed count
- Digital Output type : 4 with open drain FETI latching relay
- 4 dedicated counters or 2 phase encoders
- 4 SDI – 12 inputs, shared with digital channels
- 2 channels available and programmable for data to be logged from smart sensors with Host and Dedicated port
- Alarms with high, low , within range and outside range conditions, delays can be provided. Memory
- Internal storage capacity would be 128 MB i.e. 100,00,000 data points would be compatible with USB
- 1.1 and USB 2.0 derives i.e. Flash drive (capacity 90,000 dta points per megabytes)
- Scheduling of Data Acquisition – number of schedules is up to 11 with schedule rates of 10 ms to days.
- Having Feature to Sync with GPS NTP clock

Specification

Communication Interfaces

- Rs232/Rs485/Modbus communication port, Modbus server(Slave)
- GSM/GPRS Facility available (Remote Communication).
- Power Requirements 10-30 VDC Internal Battery 6Vdc 1.2Ah Lead Acid
- Real Time Clock Accuracy± 1 min/year (0°C to 40°C)&± 4 min/year (–40°C to 70°C) Temperature Range –45°C to 70°C

Remote Monitoring Software

- Graphical User Interface Software features:
- Handle all data processing requirement
- Fully Configurable to suit specificprojects requirements
- Run from server
- Reliable open-source operating system
- Accessible from Anywhere that has an internet connection
- Facility to provide security of supervisor and operator
- No Limit to the number of sensors that can be processed along with Battery health parameter
- Password protected access with three main levels of privileges
- Unlimited amount of plots (pre- defined)
- Runs on any operating system and any internet browser
- Automated and manualim port of ASCII files

Cloud Server Details

Computer   SMARTPHONE   LAPTOP/TAB
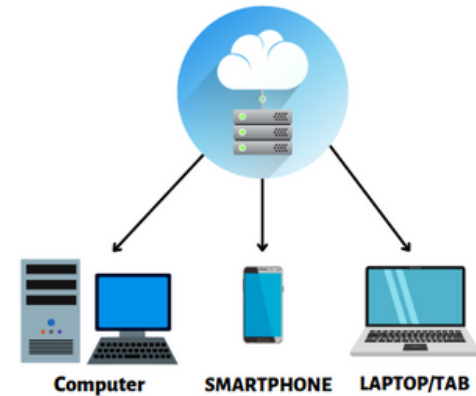
Accessories

- Nema 4 Enclosures
- Mountings for the sensors
- Sensor Cables (Shielded Type)
- Solar Panel 60W and 100AH Battery
- Battery Box
- 3G/4G Modem

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