



MCE - ESNET2 Portable Real Time Monitoring System

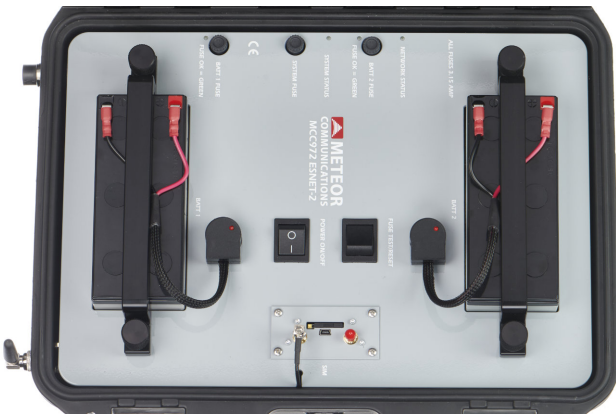
- 3G / GPRS / GSM
- Robust IP66 Case
- Instant Deployment
- SDI-12 / RS232
- Analogue / Digital IP
- Digital Outputs
- Internal Data storage
- Internal batteries
- Inbuilt Solar Charger
- Web Enabled
- Secure, instant data

The MCE-ESNET2 is the core component of the Meteor ESNET Modular Monitoring System. It can be used as a complete portable monitoring station or as part of a kiosk pumped system for semi permanent applications.

The ESNET2 is housed in a robust IP66 PELI enclosure and allows a wide variety of Water Quality, level, flow and Weather sensors to be directly connected, enabling data directly to the web.

Equipped with multiple IP67 ports the ESNET2 can accept incoming sensor data via SDI-12, RS232, Analogue, pulse count and Digital. It can be directly interfaced to most industry leading sensors and be used to control pumps, samplers and other remote equipment.

With internal batteries and non volatile data storage the ESNET2 can operate autonomously with a small solar panel for extended periods. Data is transferred in real time via 3G/GPRS/GSM to ensure robust, real time data feeds. All data can be accessed via Meteor's secure Web portal applications or interfaced with existing SCADA



I/O Specification

RS232	1 Port Selectable Baud rate 300 - 9600
SDI-12	Up to 10 SDI-12 Instruments addressable 0-9
Analogues	Up to 8 inputs, selectable 4-20mA, 0-20mA, 0-5V, 0-12V, 0-30V
Digital	Up to 6 Multipurpose digital inputs configurable (State, event, count)
Relay Output	Up to 4 SPDT Relay outputs 60V / 1A switching capability

Communications

Modem	Quad Band GSM/GPRS/EDGE Class 10/12, Tri Band W-CDMA/HSDPA (3G)
Antenna	Internal or TNC Bulkhead external
GPS	TTFF <5s, open sky accuracy <2m

Physical Characteristics

Dimensions	430 x 190 x 330mm
Weight	6.6kg, 11.2kg including batteries
Operating Temperature	-20 to +60 Deg C
Housing	Co-Polymer Polypropylene
IP Rating	66

Power

Operating Voltage	12V DC
Operating current	>7mA average
Charge	Solar Panel 10W - 50W, inbuilt solar regulator 12V, 6A
Batteries	Gel Cell twin 7Ah hot swappable

Applications:

- Water Quality
- Level / Flow
- Weather
- Final Effluent Monitoring
- Catchment Monitoring
- Pollution / Event monitoring



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