

## Data Acquisition & Communication Module

with 4 digital and 4 analog (isolated) inputs,  
data logging and modbus communication



### Autonomous and versatile

The M844 is an ultra-low power Data Acquisition & Communication Module. This entirely autonomous monitoring and datalogging solution is independent from local infrastructures, using GSM/GPRS communications and solar panel, battery or AC/DC power options.

### Signal inputs

- 4 (isolated) analog inputs, 3 digital status-/pulse inputs, 1 coil input and onboard Modbus & SDI-12 communication protocol.

### Data outputs

- GPRS data communication through TCP, FTP and/or email.
- Full control through the web-portal or the ProcessView software.
- Process alarms and system alerts by SMS.

### Applications

- Extremely suitable for off-grid or hard to reach locations.
- For level, flow, weight/mass, temperature, pressure, dissolved oxygen, pH, vibration and/or energy/fuel consumption applications.
- Logistic and Supply Chain (SCM) optimization for raw bulk materials including: Remote Silo/Tank Monitoring, Remote Inventory Management, Customer and Vendor Managed Inventory (VMI).

### Features

- Entirely autonomous monitoring and datalogging using GSM/GPRS communications and solar panel, battery or AC/DC power options.
- Easy configuration, local through USB 2.0 or remotely by smart reversed communication.
- Data logging by 2GB micro-SD card for over 10 million data entries.
- Resistant to harsh environments with the IP67 / NEMA4X GRP field mount enclosure.
- Full compliance with the ProcessMonitor web-portal or ProcessView software for data history, graphic visualization and/or alarming.
- 110 - 230V AC mains and reverse polarity protected 8 - 30V DC power supply, battery or solar powered.
- Reduce maintenance costs as internal battery will last for 3 - 8 years.
- Stabilized 24V DC sensor excitation for mains powered versions.
- Energy management sensor onboard, accurately calculates the remaining battery lifetime.
- Integrated Quad-band GPRS antenna; no "eye-catchers" to prevent vandalism or abuse.
- Wide operating temperature range -30°C to +75°C.
- Flexible mounting possibilities (wall/panel/pipe).

# Leaflet M844

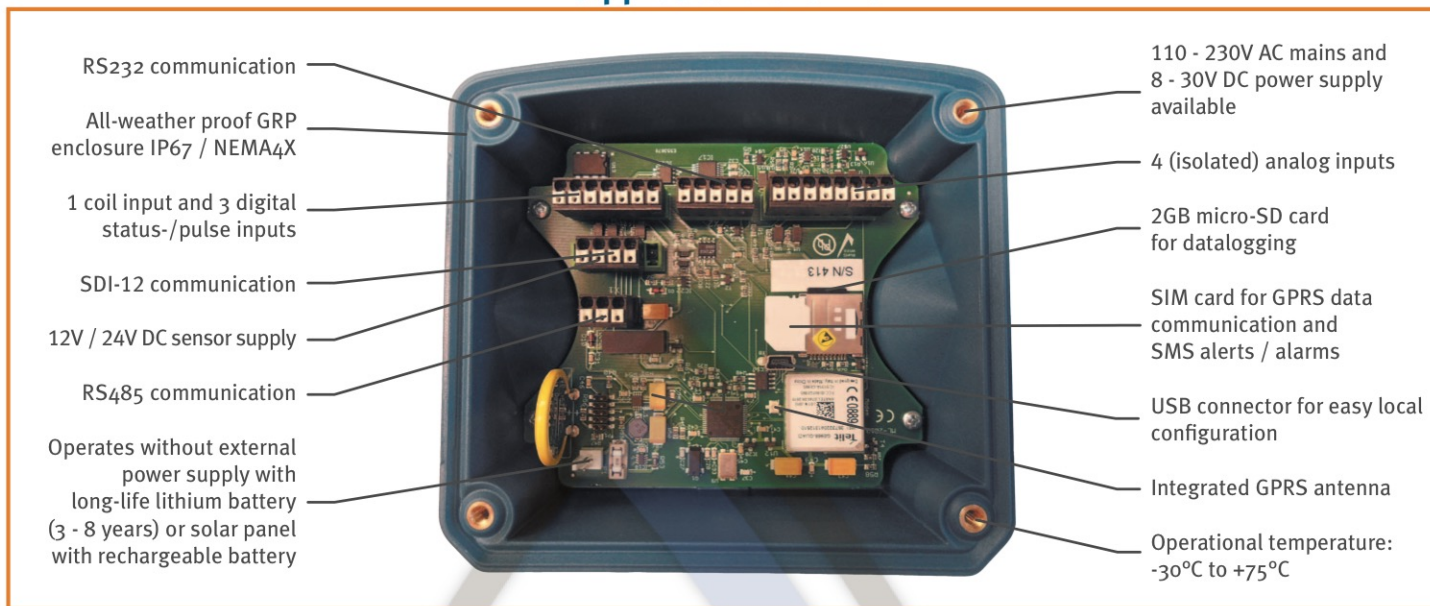
Data Acquisition &  
Communication Module

**PROCESSMONITOR**  
Remote Location Surveillance  
a Fluidwell company

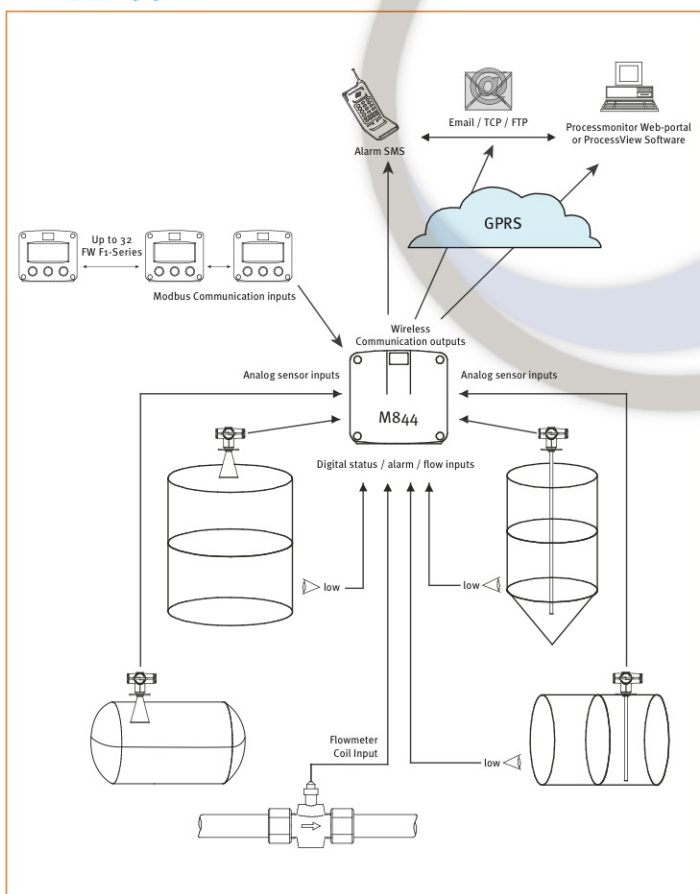
Professional

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## M844 feature overview



## M844 application overview



## M844 solar powered application example

