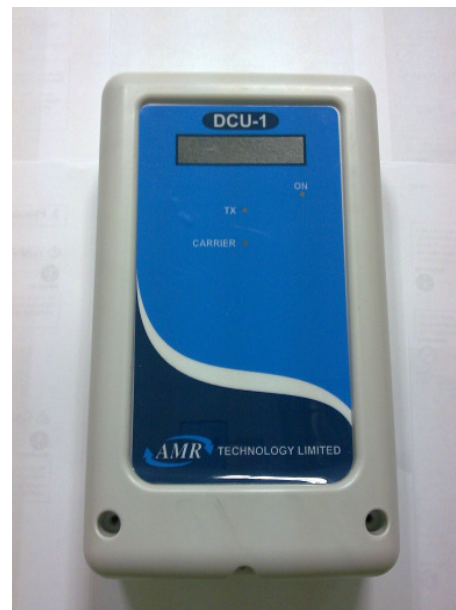


WEG Meter data loggers





WEG data loggers

The WEG series are stand alone data loggers for load profile recording by predefined time intervals with built in GSM/GPRS modem for P2P (point to point) communication with MDM central operation.

The WEG are available in two basic models the WEG-7 which is a powered unit and the WEG-13 a powerless device mainly used to interface with gas and water meters without nearby access to power.

The devices are versatile to interface with various meter types according to customer request as; meters with built in magnetic switch sensor, modified meters on site by IR sensors produced by Nortex or Smart Meters using the DLMS and M-Bus interfaces.

Dynamic load profile recording is achieved by time intervals of 1,5,10, 15, 30 and 60 minutes, managed by an accurate RTC (Real Time Clock) which is checked and synchronized with MDM central operation for each communication access.

The device includes an RS232 port to interface with other external devices on a 9600 Baud as portable laptops for local readings, parameters upload in case of emergency and external interfacing with other communication medias.

Highlights

- A powerful data logger with predefined dynamic intervals for load profile analysis with date and time stamp for file records.
- Lithium battery for the WEG-13 model with 10 years operation period
- Meter interfacing options
 - Modified meters by IR reflective sensor
 - Smart Meters with a Comm. port implementing the DLMS, M-Bus and other protocols.
- Remote parameters upload.
- Automatic RTC (Real Time Clock) synchronization by central for each communication access
- Power fail backup for the WEG-7 model free of battery and maintenance, implementing a Supercap logic circuit.



Specifications

- WEG-13 supply
 - * Lithium battery of 8 Ah is supported a communication cycle of 12 hours
 - * Option for a small solar panel of 5W with Supercap logic circuit to operate online with communication cycle of 1 hour at least, free of battery and maintenance for a lifetime of 30 years.
- WEG-7
 - * Supply - 115/230V (L..N) +10% -20% / 50/60 Hz – 10VA
 - * Supercap for power fail backup, free of battery and maintenance for lifetime period over 30 years with operating time during power fail of 24 hours.
- Meter interfaces
 - * Three channels to interface with open collector IR reflective sensor, or any proximity switch sensors, for bandwidth with up to 10Hz
 - * RS485 (2 wires multidrop) to interface with Smart Meters implementing DLMS protocol IEC 62056-46, M-Bus or BACnet
- Flash memory for recording storage according to intervals of 1,5,10, 15, 30 and 60 Min.
 - * EEprom 64kB for 16K records
 - * Option for 96KB EEprom of 24K records
- Display LCD 2 X 16 for displaying GSM registration status as: base sensitivity and Sim card faults.
- RTC with accuracy of +/- 1 Min. per 6 month over full Temp. range, checked and synchronized by MDM central operation during each communication access.
- RS 232 9600 Baud Comm. port to interface with any device
- Build in GSM/GPRS M2M module
 - * OEM Telit GM 862 GPRS module which meets a fully type approval
 - * GSM status displayed on LCD: registration, base sensitivity and Sim. faults
 - * Communication mode – GSM with 9600 Baud or GPRS
- Operation Temp. : -25° -- 70°, IP65 (except LCD for 0°C- 50°C)
- Device enclosure is under IP53 (IEC 60529) protection level, against dust and water penetration and double insulation is ensured.