

SOLAR-POWERED DATA LOGGING

 metergroup.com/environment/products/em60/



Data collection intensified

EM60

Information overload

The main issue with collecting data is being overwhelmed by all the measurements. Not only do you have to spend time programming a data logger, but you also have to babysit the logger to make sure it continues to function without interruption. We set out to solve all of these problems and more with the EM60 series data loggers.

Measures up more than ever before

Because the EM60 is plug and play, it's a lot easier to use. Especially since it self-recognizes what's plugged into each port, creating an even more integrated system that does everything for you. Since this data logger is fully automated, it saves you time. Because it's simple to set up, it saves you leg work.

High-tech that takes no time at all

We updated the EM60 with the goal of speeding up data collection. We added GPS so it automatically keeps track of where data is collected. Integrated barometric pressure and temperature eliminate the need to install extra sensors.

Setup made simple

With the EM60, you just tell the data logger how often to read. It collects and stores data at a selected interval, and because everything is plug and play there's less wiring and programming to worry about, making measurements extremely easy to take.

Outlasts in addition to outperforming

The best data logger is the consistent kind. We've added significant improvements like an integrated solar charging panel, so there's hardly any power maintenance required. The EM60 uses rechargeable nickel-metal hydride (NiMH) batteries and a built-in solar panel for extended deployments. Pull the battery tab to power on the logger and the NiMH batteries will charge automatically. Unlike our standard Em50 and Em50G, these self-contained data-loggers are built to power, read, and log data from six sensors. The logger case is rated NEMA 4, IP55 for long-term outdoor use.

The data logger that goes the distance

Rely on the EM60 for an advanced combination of simple setup capabilities and a durable design that will save you time and reduce your workload and worry.

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Features

- Plug and play with METER sensors
- Six sensor ports
- Simple setup
- Integrated GPS
- Integrated temperature and barometric pressure measurement
- Rechargeable nickel-metal hydride (NiMH) batteries
- Built-in solar panel for extended deployments
- Stores 40,000 to 80,000+ records, depending on configuration

Specifications

Input ports	Six, each supporting METER analog, digital, or pulse sensors
Port type	3.5 mm "stereo jack" connector
Logging interval	1 minute to 12 hours
Reporting interval	Manually retrieve data from logger on demand
Data storage	8 MB (40,000 to 80,000+ records, depending on configuration)
Memory type	Non-volatile flash, full data retention with loss of power
Global position	Integrated 56-channel GPS/QZSS receiver

Position update	Daily (automatic), on demand (manual)
Position accuracy	Up to 3 m with good sky view
Timekeeping	Synchronize daily (GPS) or on demand (software)
Battery capacity	Five AA NiMH (included) or alkaline batteries
Battery service life	NiMH: 3+ years with good view of sun Alkaline: 18 to 24 months, depending on configuration
PC communication	Standard USB cable, USB A to Micro-B
Enclosure	Weather-, impact-, and UV-resistant polymer
Enclosure rating	IP55, NEMA 3R
Enclosure dimensions	12.7 cm x 20.3 cm x 5.1 cm (5 in. x 8 in. x 2 in.)
Enclosure access	Hinged door with latches, eyelet for securing with user-supplied padlock or zip tie
Operating environment	-40 to 60 °C, up to 100% RH
Compatible sensors	See compatibility charts

Accessories



Pigtail-to-Stereo Adaptor



EM60G

CELLULAR DATA LOGGING



50 Foot Extension Cable



10 Foot Extension Cable

Support

Have a question or problem? Our support team can help.

We manufacture, test, calibrate, and repair every instrument in-house. Our scientists and technicians use the instruments every day in our product testing lab. No matter what your question is, we have someone who can help you answer it.

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Downloads

[EM60/EM60G User Manual PDF / 751.46 KB](#)

[EM60 + EM60G Quick Start PDF / 331.25 KB](#)

ZENTRA Utility Installer EXE / 24.44 MB

Zentra Utility Installer for Mac PKG / 35.20 MB

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