

CELLULAR DATA LOGGING

metergroup.com/environment/products/em-60g/



Less work. More plug and play.

EM60G

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 EM60G is plug and play, it's a lot easier to use. Especially since we've updated it to self-recognize 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 EM60G 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.

Plus, the EM60G's seamless system doesn't require any integration on your part. The hardware, software, connectivity, and firmware all work together automatically. So you get the data you need, in the format you want, anywhere you want to review it.

Setup made simple

With the EM60G, 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 EM60G 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, this self-contained data logger is 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 EM60G data logger for an advanced combination of simple setup capabilities and a durable design that will save you time and reduce your workload and worry.

[Get pricing](#)

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Features

- Plug and play with METER sensors
- Six sensor ports
- Download and view data anywhere with an internet connection
- First year worldwide cellular service included with logger purchase
- Best for viewing data on the go, and as frequently as multiple times per day
- See signal strength and connection quality in real time: test connectivity at your site BEFORE installation
- Simple setup
- Integrated GPS
- Integrated temperature and barometric pressure measurement
- Hardware, software, connectivity, and firmware all work together automatically
- Rechargeable nickel-metal hydride (NiMH) batteries
- Built-in solar panel for extended deployments
- Stores 40,000 to 80,000+ records, depending on configuration
- Transmitted data is backed up in the data logger memory to give you extra data protection
- A "confirm data transfer" protocol makes sure data transmission is correct and complete

Specifications

Input ports	Six, each supporting METER analog, digital, or pulse sensors
Port type	3.5 mm "stereo jack" connector
Logging interval	5 minutes to 12 hours
Reporting interval	Hourly. Contact support for options for more frequent data delivery.
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), on upload, 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: 3 to 12 months, depending on configuration
PC communication	Standard USB cable, USB A to Micro-B
Cellular	UMTS 3G 5-band cellular module with 2G fallback
Cellular coverage	AT&T and T-Mobile in the US with 200+ global partner carriers. Cellular and data hosting service provided by METER Group.
Internet downloads	SSL/TLS encrypted
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



Data Logger Antenna Extension Cable



EM60

SOLAR-POWERED DATA LOGGING



ECH₂O GS 1

Simple Soil Moisture Sensing



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](#)

METER USB Driver (version 6.7) EXE / 3.81 MB

ZENTRA Utility Installer EXE / 24.44 MB

Zentra Utility Installer for Mac PKG / 35.20 MB

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