



ZL6 data logger

low cost and easy to use

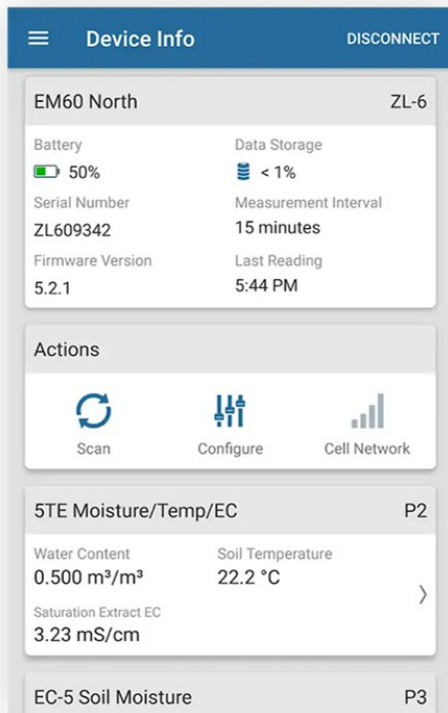
overview

The ZL6 is a stand-alone data logger unit that is low cost and easy to use.

It is a specialised data logger designed to supported the METER Group range of sensors including TEROS, ATMOS and PHYTOS models.

Features of the ZL6 data logger include:

- No programming – simply connect sensors and you're done;
- 6 channels – measure and monitor a range of parameters by choosing up to six METER Group sensors;
- Built-in battery and solar panel for easy power supply management;
- Built-in modem for accessing data over the internet (add-on module);
- Access data via ZENTRA Cloud online data management software; and
- IP56, or NEMA 3R, environmental and weather proof enclosure.



free software for configuration and downloading data

The ZENTRA Utility app is a free software that allows you to easily interact with the ZL6 data logger.

By following GUI prompts, you can configure your sensors, set logging intervals, view data in real-time, download data to .csv file, and more.

The ZENTRA Utility app operates via direct connection with a USB cable or wirelessly via a Bluetooth connection.

power management made easy

One of the greatest challenges in field work is power management. The ZL6 has made power management easier than ever with its built-in solar panel and battery system

The ZL6 data logger has a solar panel embedded in its enclosure. Inside the enclosure are 6 x AA rechargeable batteries (nickel-metal hydride, NiMH).

Battery capacity, without solar recharging, can be as long as 9 to 12 months.



compatible sensors

The ZL6 data logger is only compatible with the METER Group range of sensors. Third-party sensors are not supported by the ZL6 data logger.

Connecting the METER Group range of sensors is easy – simply connect via the stereo plug, set sensor type in the ZENTRA Utility app, and you’re done!

No programming is required.

Click on the “RELATED PRODUCTS” tab, above, to see a range of compatible sensors including TEROS soil water content and potential, EC sensors, and ATMOS weather sensors.

specifications

feature	specification
sensor input ports	6 (supports METER analog, digital, or pulse sensors)
sensor port type	3.5-mm stereo plug connector
logging interval	user defined between 5 minutes to 12 hours
reporting interval	Hourly with additional charges for more frequent reporting
data storage capacity	8 MB (40,000 to 80,000+ records depending on configuration)
memory type	Nonvolatile flash, full data retention with loss of power
global position	Integrated 56-channel GPS/QZSS receiver
GPS position update	Daily (automatic) and on-demand (manual)
GPS position accuracy	±3 m, with good sky view
time keeping	Synchronize automatically and on-demand; GPS system, cellular, or software
battery capacity	6 AA NiMH or alkaline batteries
NiMH battery charging	Solar energy harvesting or USB
NiMH battery life	3+ years with unobstructed view of sun
alkaline battery life	3–12 months depending on configuration
computer communication	Standard USB cable, USB A to micro-B



feature	specification
cellular specifications	UMTS 3G 5-band cellular module with 2G fallback
mobile phone coverage	Telstra
internet downloads	SSL/TLS encrypted
enclosure	Weather-, impact-, and UV-resistant polymer
enclosure rating	IP56, NEMA 3R
enclosure dimensions	14.9 cm × 25 cm × 6.3 cm
enclosure access & mounting	Hinged door with latches and eyelets for lock or zip tie
operating environment	-40 to +60 °C (0%–100% relative humidity)
compliance	Manufactured under ISO 9001:2015 EM ISO/IEC 17050:2010 (CE Mark)

manuals & docs

- [ZL6 Data Logger Manual](#)

related products

- [Soil water content sensors](#)
- [Soil water potential sensors](#)
- [EC and depth/water level sensors](#)
- [ATMOS-41 weather station](#)
- [ATMOS-22 wind speed and direction](#)
- [ATMOS-14 temperature, humidity sensor](#)