# ZL6: ADVANCED CLOUD DATA LOGGER

## DESCRIPTION

With the ZL6 data logger, there are no limits. That's because we've reinvented the entire METER data logging system so the ZL6 can be your ultimate research partner. Easier, more advanced, and more robust, the ZL6 introduces cloud-based data delivery, Bluetooth® configuration, GPS, firmware-over-the-air updates, and integrated metadata, all which simplify and speed up the process of data collection, management, and sharing. It does all the legwork for you, so you can spend more time being a data visionary.

The ZL6 uses ZENTRA Cloud to deliver near-real-time data wherever and whenever you need it. This means spend less time downloading data in the field, and more time generating research papers. Accessing data on ZENTRA Cloud speeds up your analysis by enabling you to correlate event factors, see important trends, or discover problems almost instantly, from the comfort of your own desk. And if there's no cell service at your site, you can still download your data via USB.

## ZL6
## FEATURES

- Ultra-rugged and durable construction
- Configure via Bluetooth with the ZENTRA Utility app
- Plug and play with METER sensors
- Six sensor ports
- Works with ZENTRA Cloud to enable near real-time data viewing anywhere with an internet connection (data can also be downloaded via USB)
- Integrated GPS and barometric pressure measurement
- Simple setup
- Firmware-over-the-air updates
- Built-in solar panel for extended deployments
- Rechargeable nickel-metal hydride (NiMH) batteries
- Stores 40,000 to 80,000+ records, depending on sensor configuration
- Best for viewing data on the go
- See signal strength and connection quality in real time: test connectivity at your site BEFORE installation
- Transmitted data is backed up in the data logger memory to give you extra data protection

ZL6 requires little setup. It self-recognizes what's plugged into each port (as long as they're digital sensors), and the new ZENTRA app uses Bluetooth to configure digital sensors on any device, so you can bring a cell phone to the field instead of a heavy laptop. You can even configure the sensors from your office using ZENTRA Cloud. We also added GPS, so it automatically keeps track of where data are collected. And new firmware-over-the-air capability means ZENTRA Cloud updates ZL6 firmware automatically.

## Contact info

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## SPECIFICATIONS

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|---|---|
| **Sensor input ports** | 6 (supports METER analog, digital, or pulse sensors) |
| **Sensor port type** | 3.5-mm stereo plug connector |
| **Logging interval** | 5 min to 12 h |
| **Reporting interval** | Hourly with additional charges for more frequent reporting |
| **Data storage** | 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 |
| **Timekeeping** | 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 |
| **3G Cellular specifications** | UMTS 3G 5-band cellular module with 2G fallback |
| **3G Cellular coverage** | AT&T® and T-Mobile® in USA, 550+ global partner carriers. Cellular and data hosting service provided by METER. |
| **4G Cellular specifications** | 4G LTE-M and NB-IoT cellular |
| **4G Cellular coverage** | AT&T® in USA Cellular and data hosting service provided by METER. |
| **Internet downloads** | SSL/TLS encrypted |
| **Enclosure** | Weather-, impact-, and UV-resistant polymer |
| **Enclosure rating** | IP56, NEMA 3R |
| **Enclosure size** | 14.9 cm × 25 cm × 6.3 cm (5.9 in × 9.9 in × 2.5 in) |
| **Enclosure access** | 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) |

This Instrument is manufactured by our principle company

**METER Environment - USA**