

VERIBOX-MINI

ATEX Data Logger with Integrated 4G Communication



Description

The VERIBOX-MINI is a compact, battery-powered ATEX Zone 1 data logger for automated meter reading (AMR), process monitoring, and remote communication – delivering reliable performance in demanding environments.



Highlights

- Certified for ATEX Ex-Zone 1
- 4G-LTE with 3G/2G fallback
- Very long battery life (up to 6 years)
- Integrated alarm management
- Versatile inputs/outputs and serial interfaces

Interfaces

- 4× digital inputs (pulse/reed/S0)
- 3× analog inputs (0–10 V / 0–20 mA) & PT1000
- 2× digital outputs (switch/control)
- RS232/RS485 (EVC/Modbus/ASCII/RTU)

Typical Applications

- Automated meter reading (AMR)
- Tank, pressure, and level monitoring
- Gas, water, and energy monitoring
- Remote measurement sites

Communication & Protocols

- Cellular: 4G-LTE / 3G-UMTS / 2G-GPRS
- Supported protocols: FTP, MQTT, HTTP, SMS
- Data export: CSV/XML

Technical Data (Excerpt)

Technical Data	Value
Dimensions	approx. 185 x 135 x 65 mm
ATEX certification	Zone 1 – Ex II 2G Ex ib IIA T2 Gb
Operating temperature	–25 ... +60 °C
Battery lifetime	up to 6 years (daily transmission)
Weight	approx. 680 g (incl. battery)