



Data logger DL719-LTE

The data logger DL719 is a compact device with a very low power consumption. The LTE modem are integrated in the data logger and are powered by the datalogger. By using the latest battery technologies operating times of up to 10 years are possible, e.g. also with LTE.

- Onboard equipment up to:
 - 6 analog channels
 - 4 digital counter inputs
 - 2 digital alarm / status inputs
 - M-Bus (or mini="LowPower") or Modbus interface
 - Sensors:
 - Level, pressure, temperature, humidity
 - pH, conductivity, chemical quantities ...
 - Precipitation, flow and status
 - Memory capacity $\geq 2.040.000$ values
 - Serial / USB interface for PC
 - Up to 10 years of battery life during daily measured value transmission (LTE)
 - Protection class IP65
- Options:**
- Built-in LTE modem
 - Send measurements and alarms to:
 - Control rooms and internet servers
 - Mobile phones, Fax devices
 - Antennas:
 - Rod antenna (direct or with cable)
 - Directional antenna ...
 - Power supply depending on the model:
 - Battery pack (alkaline)
 - External with solar panel and buffer battery
 - External with 12 VDC, 24 VDC, 110 VAC, 230 VAC and buffer battery
 - Connection sockets RD24 for measuring cables and power supply

Technical data:

- Waterproof, rugged plastic housing (IP65)
- Up to 6 analog measurement channels for sensors (resolution: 0.025 %)
- Adjustable measuring rate from 32 Hz up to 30 days
- Switched sensor supply (3 Volt \pm 5%, loadable up to 10 mA)
- Measuring ranges:
 - Voltage: 0 – 1 V and/or "LowPower"
 - Current: 0 – \pm 20 mA, 4 – 20 mA
 - Event: e.g. Reed contact up to 1 event per second
 - Digital: Low < 10k Ω , High > 200 k Ω
 - Frequency: 0,01 Hz up to 10 Hz (optional 2 kHz)
- Storage capacity 4 GB bis 32 GB (about 2.040.000 bis 16.768.000 values)
- Powered by solar panel with a rechargeable battery or a power supply with an internal buffer battery Power reserve for approx. 2 months (rechargeable battery) or 12 months (internal buffer battery)
- Powered by battery pack:
 - With adjustable alarm
 - Changeable at the site
 - Display of the battery voltage/residual capacity for operation
 - Operating time without battery change under standard conditions:

LTE- Transfer	cycle*			
	1 minute	5 minutes	15 minutes	60 minutes
all 15 minutes	12 months	12 months	12 months	12 months
hourly	1,5 years	1,5 years	1,5 years	1,5 years
alle 6 hours	3 years	3 years	3 years	3 years
daily	4 years	4 years	4 years	4 years

* The operating time is shortened when using the optional M-Bus and Modbus depending on the measuring cycle.

- Dimensions: 235 mm x 165 mm x 110 mm (L x B x H)
- Weight: approx. 3800 g (battery version)

- Order number: **DL719 A 2102 m LTE**

