

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 pow- ered 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 ≥ 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 $< 10 \text{k}\Omega$, High $> 200 \text{ k}\Omega$

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:

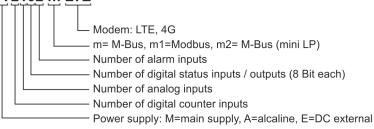
LTE-	cycle*			
Transfer	1 minute	5 minutes	15 minutes	60 minutes
a∥ 15 minutes	12 months	12 months	12 months	12 months
hourly	1,5 years	1,5 years	1,5 years	1,5 years
alle 6 hours	3 years	3 years	3 years	3 years
daily	4 years	4 years	4 years	4 years

^{*} 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**



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