

Delta Logger DL2

Industrial Data Logger

Bausch Datacom engineering!

Data Logger

The Delta Logger is a logging device with 2 analog inputs, one SDI12 and one counter interface. The device is battery powered and functions as a stand-alone data logger, collecting data from its sensors and transmitting the data through LTE Cat NB1/Cat NB2, GPRS, EDGE, at programmable intervals. It can also be configured as Gateway collecting data from remote sensors using LoRa modulation.



Types:

- Delta_DL2_BG95M3_CS
- Delta_DL2_BG95M3_ES
- Delta_DL2_DEBUG_KIT
- Spelsberg TG PC 88-6-O (Housing optional)
- Spelsberg TG-PC-1608-9-O (Housing: 76 x 74.5 mm)
- SLC1550 (Supercap optional)
- Vtorch_VTGSM4-4_SMA antenna (optional)

Product Highlights

- Data logger
- LTE Cat NB1 / Cat NB2 / EDGE / GPRS
- Battery powered
- 2 analog inputs, SDI12 & counter interface
- Nano SIM (eSIM optional)
- Debug kit
- Housing optionally
- R&D Functionality upgrade possible
- IP 67 Housing
- Remote config & Firmware upgrade

Typical Applications

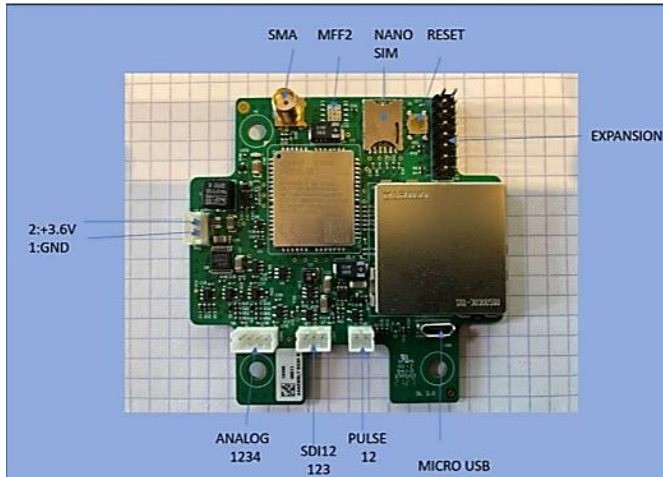
- Water measurement logging
- SDI12 sensor logging & communication
- Utility market pulse counting
- IoT applications

BAUSCH DATACOM

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Delta Logger specifications



Housing

- Enclosure: IP66 / IP67
- Dimensions/ 72X72 mm with cutouts and holes to fit Spelberg TG PC 88-6-0

Power Supply

- 3,6 Vdc battery
- Onboard Supercapacitor (optional)
- Battery Voltage monitor

Interfaces & Connectors

- 2x Analog interface: 16 bit ADC
Input range: -0,2 .. 5Vdc
Input Impedance > 2,5 MOhm
- SDI 12 sensor interface
Max. 4 devices - 20 readings per device – 100mA
- Micro USB 2 port for configuration and programming
- SMA RCP antenna connector
- Nano card SIM / eSim optional
- Counter. Contact to GND

Protocols

- Binary Socket
- CoAp
- ASCII Socket (not recommended)
- FTP (not recommended)

Processor

- Low power microcontroller sleep mode: < 100uA
- Dual bank Program flash for firmware upgrades
- 8Mbyte Data Flash
- Real Time Clock 3ppm
- Remote configurable and programmable

Battery Connector

- Pin1: GND
- Pin2: + 3V6

Communication Engine

- LTE Cat.NB1
Channels: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B27/B28/B66/B85
- LTE Cat. NB2
Channels: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B28/B66/B71/B85
- GPRS / EDGE
850/900/1800/1900 MHz

Certification

- CE
- Global: GCF
- Europe: CE
- North America: FCC/PTCRB
- Canada: IC
- Brazil: Anatel
- Mexico: IFETEL*
- China: SRRC*/NAL*/CCC*
- South Korea: KC*
- Taiwan China: NCC*
- Japan: JATE*/TELEC*
- Australia/New Zealand: RCM
- Thailand: NBTC*
- Singapore: IMDA*
- *Ongoing
- Global: Vodafone*
- Europe: Deutsche Telekom*/Telefónica*
- North America: Verizon/ AT&T/ Sprint/ T-Mobile*
- China: China Telecom*/China Mobile*/China Unicom*
- South Korea: SKT*
- Japan: NTT DOCOMO*/SoftBank*/KDDI*
- Australia: Telstra*
- *on-going

Environmental

- Operating Temperature: -10°C + 50°C

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