

DL7 Case KIT

DL7 data logger in the shockproof case



- Portable DL7 data logger
- Up to 6 I/O modules can be installed
- Supplying of sensors or transducers
- Up to 18 M12 connectors for connecting I/O signals
- M12 connector to connect the external power supply unit
- M12 connector for Ethernet port (option)
- M12 connector for RS-485 port (option)
- Tight closing of the housing lid, high protection class (IP67 for a closed case)
- The possibility of closing the housing with a padlock

DL7 Case KIT enables operating the DL7 data logger using storage batteries (from 1 to 20 hours, depending on the number and types of installed I/O modules) or operating the DL7 device using delivered external power supply unit and standby supplying in the event of voltage break (backup). The device enables supplying sensors or transducers connected to the recorder with using an external battery. In the special version of the DL7 Case KIT, the DL7 device can operate using storage batteries for up to 48 hours.

BASE SET AND AVAILABLE OPTIONS

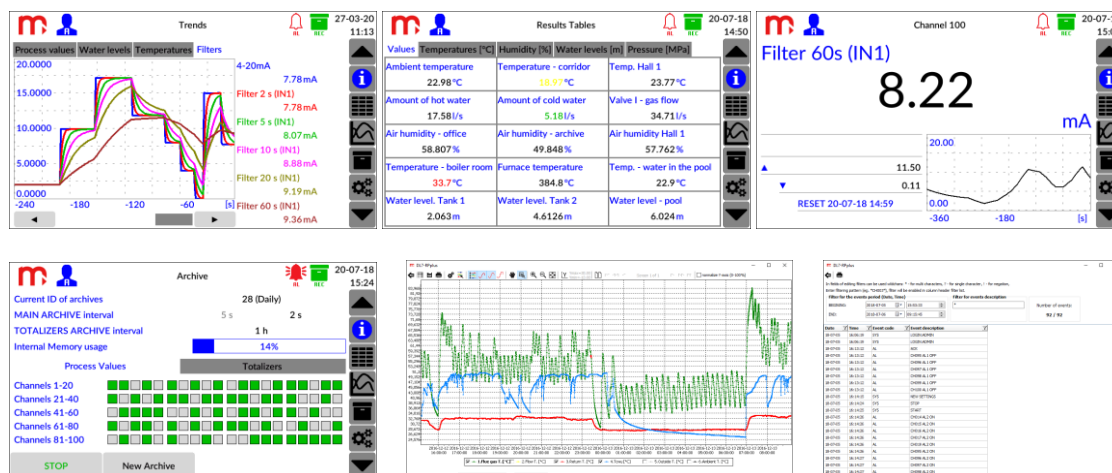
A typical configuration of the set consists of: DL7 data logger, PS_BATT module (powered by 4 x 4.8 V, 4000 mAh batteries), power supply unit, M12 plugs with screw connectors and a case. For the Ethernet port and RS-485 port optional connectors are available. Additional I/O modules are installed in accordance with the custom order.

There is a possibility of individual configuration of connectors location (also outside the case).

Detailed information about available modules can be found in the DL7 User's Manual.

EXAMPLE DATA PRESENTATION

The DL7 device has a color 7" screen with a touch panel and allows the customizable configuration of displaying results. There is dedicated PC software for commissioning (DL7 Config) and archive data visualization (DL7-RP and DL7-RPplus).



ELECTRICAL INSTALLATION



I/O signals should be connected to the connectors in accordance with the label placed on the lid of the case. Plug with screw terminal allows to connect the transmitter or sensor cable.

The switch enables turning the recorder on and off (possibility of charging the storage battery when the device is switched off). The data logger should be supplied and charged using the delivered external 230 VAC / 24 VDC power supply unit.

The LED next to the switch indicates the level and charging state of the battery.

The USB port on the front panel of the device enables reading and saving setting files and saving archive files.

Detailed information about the connection and operation of the DL7 device can be found in the DL7 User's Manual.

TECHNICAL SPECIFICATIONS

DL7 Case KIT

Enclosure type and material	Case, polypropylene copolymer compound and mineral molecules
External dimensions (depth X width X length)	36.0 cm X 30.4 cm X 19.4 cm
Connectors for electrical connections	<ul style="list-style-type: none"> • supply: M12, 1 piece • I/O signals: M12, up to 18 (4-pos. or 8-pos.)⁽¹⁾ • Ethernet: M12, 1 piece⁽¹⁾ • RS-485: M12, 1 piece⁽¹⁾
Electrical connection (M12 connector)	Diameter of the cable: 4 .. 8 mm Cross section of connecting wires: 1.5 mm ²
Weight	Ca. 5.5 kg
Protection class⁽²⁾	<ul style="list-style-type: none"> • Closed case: IP67 • Open case: IP54
Recharge time (storage battery fully charged)	Ca. 12 h

⁽¹⁾ The number and type of installed connectors depends on the device configuration (in accordance with the order).

⁽²⁾ Protection class is given for the standard position of the connectors (all connectors inside the case).

Environmental conditions

Ambient temperature	0 .. +50 °C or 0 .. +40 °C depends on the device hardware configuration ⁽³⁾
Storage temperature	-30 .. +70 °C
Operating location	Indoor or outdoor ⁽⁴⁾

⁽³⁾ If module IN6I(24V) or IN2RS485(24V) installed and operating as a power supply source for external devices, ambient temperature is limited to 0 .. +40 °C. In all other configurations the ambient temperature range is 0 .. +50 °C.

⁽⁴⁾ If additional protection against atmospheric precipitation is provided (roofing), the device can be operated outdoor.

Detailed information about the technical specifications of the DL7 device can be found in the User's Manual.

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