

Setting up

Remove the Cosmos Data Logger from the packaging. New batteries are installed in the device prior to delivery. It is recommended to do a battery check before installation.

Programming

Before installation, connect the logger to a personal computer (PC) with the CDL/PC connection cable. Programming is done with the CDL Win-Software. Details of the programming are to be found in the CDL Win-Software instruction manual. Unused menus should be barred using the software.

Installation

At site, connect the pulsers and sensors to the corresponding pre-programmed ports. Recording starts at the pre-programmed time.

Caution: Unused ports must be tightly closed to prevent any water leakage.

Hint: After installation, the incoming instantaneous values can be displayed on the LCD-display. The system can be tested in this manner. This is also possible before the programmed measuring period commences.

Display

The values can be read from the built in LCD-display during and after logging.

To offer maximum water resistance, the function keys are magnet sensitive sensors which can be activated by the magnetic pin.

The display is activated by covering the (*ENTER*) key. Horizontal navigation through the display menu is achieved with the (-) and (+) keys and vertical navigation is achieved with the (*ENTER*) key. For more detail, please refer to the schematic diagram of the LCD-display in this leaflet.

Down-loading

The values can be down-loaded at any time during or after the measurement period. This is done either by cable connection directly to a PC, modem, or by radio transmission. With the use of a PC installed with CDL Win-software, down-loading and assessment is easy and straight-forward.

Battery check

New batteries should have a voltage of 61,5 = 9 Volt. If the battery voltage falls below 6,3 Volt, a warning will be displayed on the LCD-display. Further menus will be barred and analogue measurement is automatically stopped. Even so, the saved data will not be lost for up to 3 months after the first battery warning and can be down-loaded even if the LCD-display is not readable.

Changing batteries

The batteries should be changed when the voltage falls below 7,5 Volt. To do this, loosen the 4 screws securing the battery compartment cover, lift the cover and carefully remove the battery pack. Care must be taken not to disconnect the power cable.

Caution: When changing the batteries the LCD-display must not be activated.

Always change all 6 batteries of type LR6 (Mignon). Normal alkaline batteries should be avoided. Remove and replace only a single battery at a time.

Note: If the Data Logger is without power for longer than 30 seconds, all data and programming will be lost.

Battery test

After checking that the unit functions, the battery compartment must be carefully closed. Make sure that the cable and gasket are not pinched under the cover when replacing the cover.

If a sequence of tests are displayed after changing the batteries, then the batteries were so flat that a restart was executed. All saved data and programming is lost.

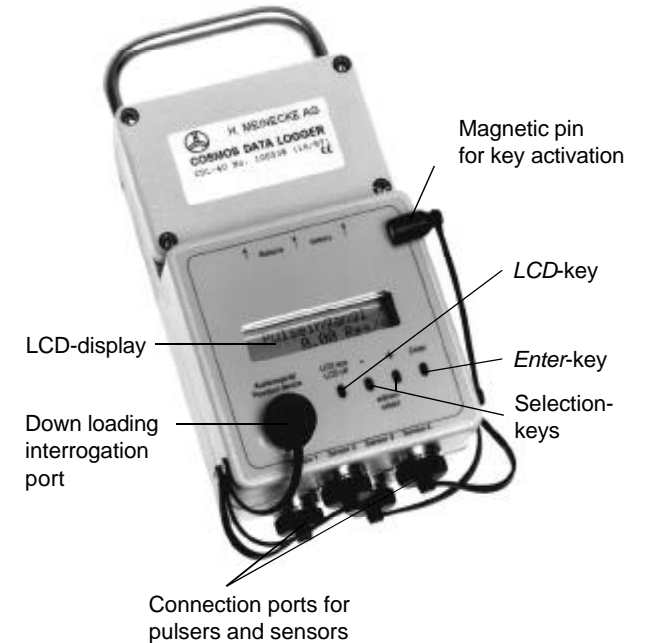
The Logger must be re-programmed before being used again.

If nothing is displayed after changing the batteries, then all data and programming is still stored in the memory. The LCD-display should then be activated to check the battery voltage. If the logging was interrupted, it will automatically be restarted.

Instructions

COSMOS-DATA-LOGGER CDL - 1U, CDL - 2U, CDL - 4U

Data logger for water supply management



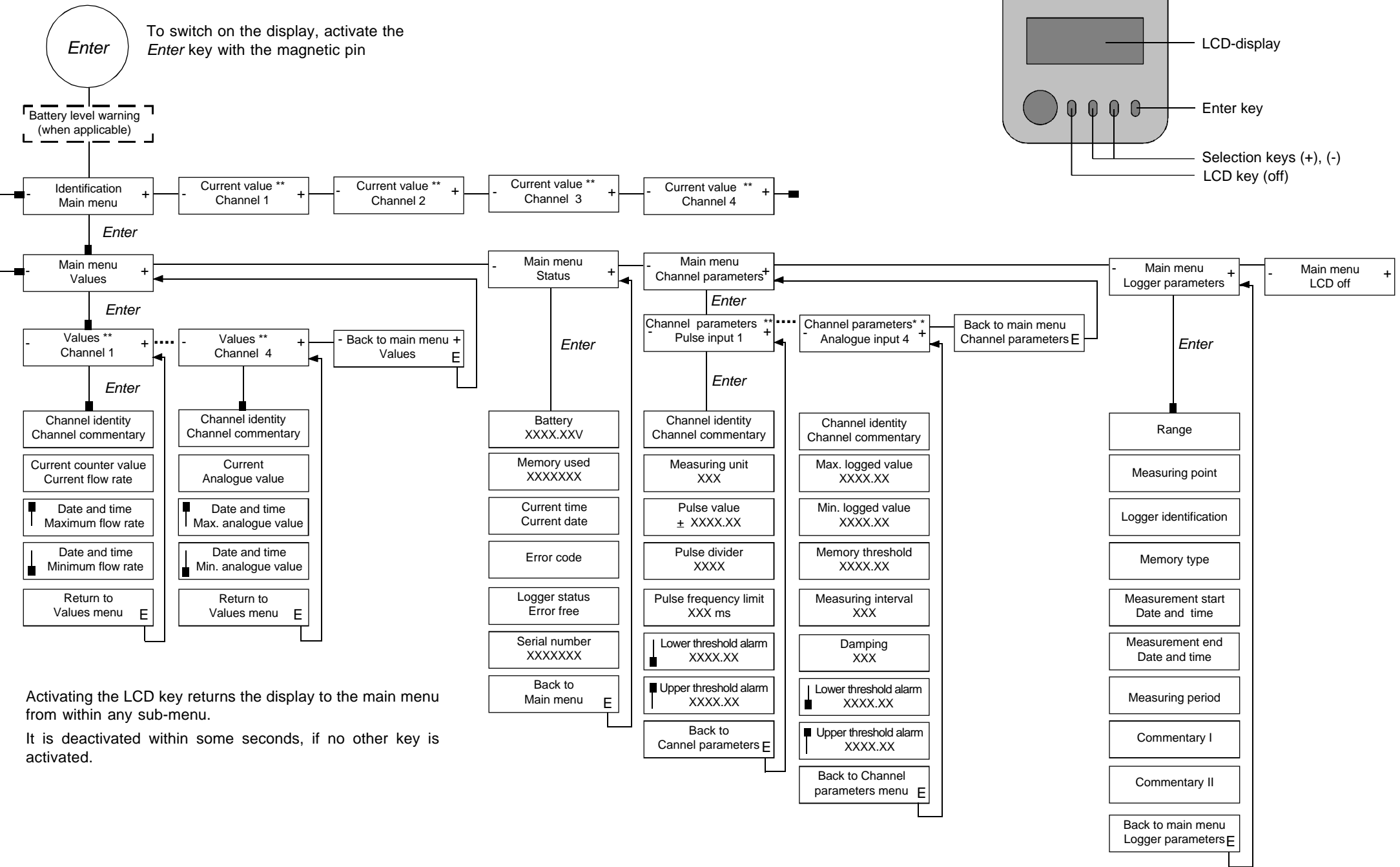
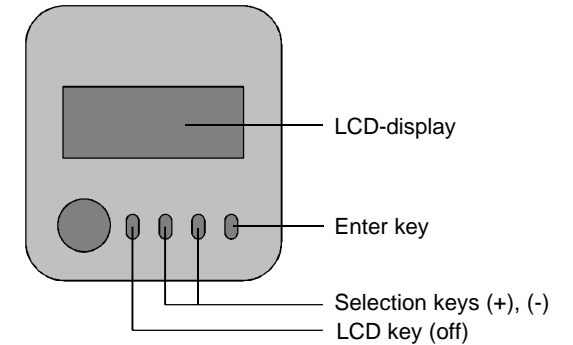
The COSMOS-DATA-Logger is a portable, robust and water resistant data recorder. The data is recorded without mains power connection.

Accessories for various applications are available, they include; Pulsers, Pressure sensors, CDL/PC connection cable and CDL Win - Software.



H. Meinecke AG
Meineckestraße
D-30880 Laatzen
Phone (05102)74-0
Fax (05102)74-148

Schematic diagram of the display menu



Activating the LCD key returns the display to the main menu from within any sub-menu.

It is deactivated within some seconds, if no other key is activated.