

# PORTABLE PRINTER

## CI-23

### 1 GENERAL

#### 1.1 Description

The **CI-23** is a serial portable printer for its connection to a level meter. With this accessory it will be suitable to obtain maximum performance of this advanced measurement equipment.

The printer connection allows to obtain, on site, printing for a pre-programmed measurement sequence. This is a simple and effective way to get an installation archive for a given place or get documentation related with level measurement, for further analysis.

Several PROMAX level meters incorporate an RS-232C interface, that allows, moreover to print results, the remote control of the instrument, thus making possible data collection and control from a personal computer.

The **CI-23** option includes the following items:

- \* 24 columns serial portable printer CI-23
- \* mains adapter / battery charger unit for the printer AL-14
- \* spare ribbon cartridge
- \* connection cable between the level meter and the printer
- \* D-25 male-male adapter
- \* printer case DC-251
- \* this manual

## 2 INSTALLATION

The printer is battery powered, thus the installation procedure is reduced only, to connect the provided cable to the level meter serial connector. Before this operation, turn the power off of both equipments.

Consult the level meter instruction manual in order to locate its RS-232C connector.

## 3 OPERATING INSTRUCTIONS

Refer to the INSTRUCTION MANUAL to carry out printing reports.

### 3.1 CI-23 set-up

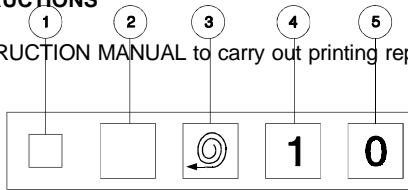


Figure 1.- CI-23 keyboard

[1] POWER LED [2] SET-UP [3] FEED [4] ON [5] OFF

To initiate the set-up mode push the [2] SET-UP and the [4] ON keys. The [1] POWER ON LED will flash until set-up mode is turned off. The current parameter status will be printed. The status of the DATA BITS parameter will be printed in order to modify it if necessary.

To select the status of the resting parameters (PARITY, BAUD-RATE, COUNTRY, PRINT MODE, AUTO-OFF, EMULATION and DTR) push the [3] FEED key. These parameters are selected in a sequential way. To modify the status of any parameter push sequentially the [2] SET-UP key. Example:

SERIAL BAUD RATE: 300, 600, 1200, 2400, 4800, 9600, 19200, 300...

When all the necessary changes have been made, push the [2] SET-UP and [3] FEED keys to update the configuration of the printer. If no key is pressed for 15 seconds the set-up mode will be terminated without changing the original parameters.

```
PROGRAMME-MODE
Present settings are:-

Data bits :-      8
Parity    :-      None
Baud-rate :-      19200
Country   :-      U.K.
Print mode:-      Text
Auto-off  :-      5 Min.
Emulation :-      Standard
DTR       :-      Normal
```

Figure 2.- Example of CI-23 setup.

#### 4 RS-232C CONNECTOR DESCRIPTION

Through the RS-232C connector it is possible to control the level meter with a remote controller (personal computer), connect printers, etc. The connector signals are described in Table 1.

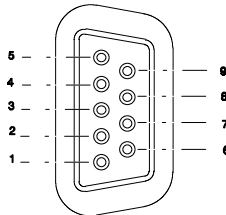


Figure 3.- RS-232C connector. External view.

<u>PIN NUMBER</u>	<u>SIGNAL</u>	<u>CHARACTERISTICS</u>
1	Carrier Detect	(not connected)
2	Data Request (RxD)	
3	Data Transmit (TxD)	
4	Data Transmission Ready (DTR)	Set at +12 V
5	Signal ground (GND)	
6	Data Send Ready (DSR)	(not connected)
7	Request To Send (RTS)	
8	Clear To Send (CTS)	
9	Ring Indicator	(not connected)

Table 1.- RS-232C connector description