

SOCIETÀ COOPERATIVA
BILANCIAI



Terminal D410



Fault Codes manual

17. TROUBLESHOOTING

This chapter contains descriptions of the error messages that may be displayed on the terminal along with possible remedies. See also chapter Troubleshooting of the user manual.

17.1 CPU and converter faults

Problem	Cause	Remedy
-01- Converter fault	Load cell connection fault	Check extension lead, junction box, load cells
	(*) Return signal from load cell greater than approx. + 23 mV or less than approx. - 23 mV.	Check that the load cell is in good order and is working within its prescribed range
	(*) Board faulty	Check the converter board using a load cell simulator. If necessary, replace the converter board and/or the CPU.
	(**) Digital cells fail to respond	Check cell connections
-02- Parameters memory error	Error in the data contained in the parameters memory of the board	Check the linearized calibration parameters
-04- RAM checksum error	Error in the RAM	Replace the CPU board
-05- Program checksum error	Error in program memory	Replace the CPU board

-06-	(**) Serial number error on digital cell	Check serial numbers and calibrate the angles if necessary (<i>par. 14.2.7 on page 3-35</i>).
-07-	(**) Cell broken in multi-cell system	Replace cell, calibrate angles (<i>par. 14.2.7 on page 3-35 Progressive calibration or Calibration by side</i>) or calibrate angles for replaced cell alone (<i>par. 14.2.7 on page 3-35 Replace 1 cell</i>).
-08-	(**) CPU board broken	Replace CPU board, calibrate angles (<i>par. 14.2.7 on page 3-35</i>) or reset terminal data (if they were saved before the board broke).
-09-	(**) System powered for first time	Calibrate angles (<i>par. 14.2.7 on page 3-35</i>).
-10-	(**) At least one cell not configured	Calibrate angles (<i>par. 14.2.7 on page 3-35</i>).
-11-	(**) Digital cell powering fault	Check cables and power supply voltage rating.
-12-	(**) Digital cell powering fault	Replace load cell that signals the error.

-13-	(**) Cell with internal temperature off-limits (-40 to 100) °C	Replace cell that signals error. Calibrate angles for replaced cell (<i>par. 14.2.7 on page 3-35</i>).
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(*) With analogue cells only.

(**) With digital cells only.

The *Diagnostics* item (see Use of the terminal chapter of the user manual) can help to establish the cause of errors when these latter concern digital cells.

17.2 Management of errors by peripheral devices

	Error -01-	Error -02-	Error -04-	Error -05-
Remote commands	??	??	NO	NO
Input	NO	NO	NO	NO
Extended string transmission	YES	YES	NO	NO
Other transmission strings	NO	NO	NO	NO
BCD calc.	FFFFFF	FFFFFF	NO	NO
BCD aux.	FFFFFF	FFFFFF	NO	NO
Output active	NOT ACTIVE	NOT ACTIVE	NO	NO
Analog.	MAX	0	NO	NO

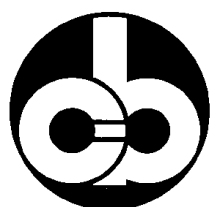
where:

"NO" denotes "not managed";

"YES" denotes "managed";

"??" is the reply on the serial line;

"FFFFFF" is the status of the outputs in hexadecimal code.



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