

FT-112 Quick Guide-2nd Scale

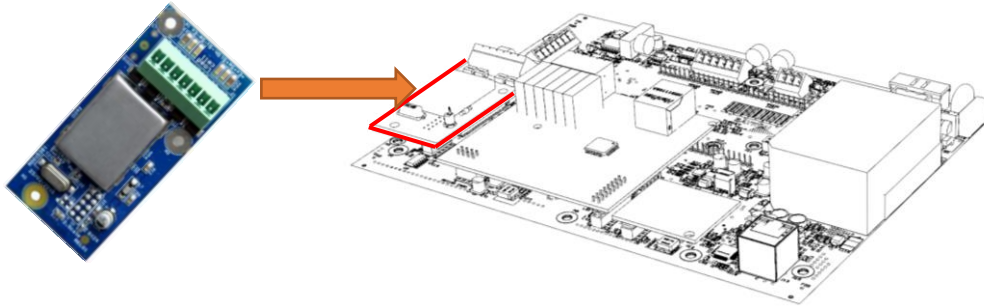


Important note:

This Quick Guide does NOT replace the technical manual but merely serves as a guide for commissioning of the weighing terminal type FT-112.


1. If not already done the 2nd scale board must be installed















Refer to Technical Manual, chapter 4.4.16



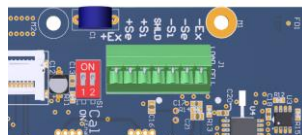
2. Working with two scales and summing scale

Refer to Technical Manual, chapter 7

To be able to switch between the scales one of the function keys (e.g.  key) must be defined. Enter the programming menu as shown in the following table (Refer to Technical Manual, chapter 6.1).

Display	Operation
[123.456 kg]	Press  key until [PASSWORD :] prompt appears
[PASSWORD]	Enter your 4 digit password by pressing keys sequentially. (Default is 1111)
[PASSWORD ****]	Press  key.
[1__INTERFACE]	You entered to the programming main menu and the first main block [1-INTERFACE] prompt appears.
[242 Δ KEY]	Increase the main block by pressing  and  keys and confirm with  key. The sub-block appears. Proceed in the same way with the sub-block. After reaching the required block press  key.
[242 Δ KEY SCL]	Press  key until SCL (scale) appears and confirm with  key.
[5__SCALE	Change the parameter block by pressing  ,  and  keys. After reaching the block press  key.
[SCALE SELECT 1]	Press  key and select 2 for 2nd scale or SUM for summing scale. Confirm with  key.


Connect the load cells
(Refer to Technical Manual, chapter 4.4).





3. Scale definition

Every scale must be defined separately with the parameter 523. The current selected scale is displayed in the bottom left corner.

Select parameter [523] (Max / d) and press  key.

[CAP] Define the scale capacity by pressing the numerical keys and confirm with  key.

[d] Select the scale resolution by pressing the  key and confirm with  key









2.2 Calibration

2.2.1 Calibration with test weights

Refer to Technical Manual, chapter 6.5



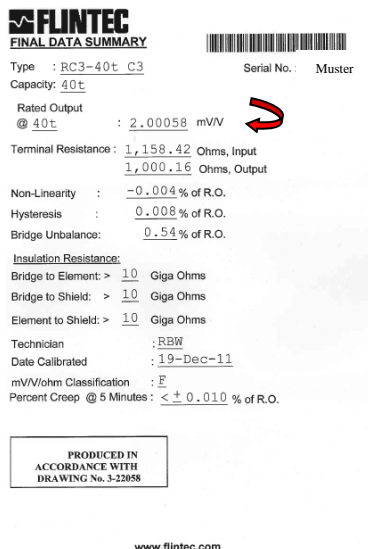
- Press 2 x  key until parameter-block [6-- Calb / Adjust] appears. Select parameter 611.
- Press  key to start the calibration, the message „Unload the Pan“ appears
- Unload the scale and confirm with  key
- Place the suggested weight on the scale or change it by the numerical keys
- After the successful calibration, the next parameter appears on the display
- Press  or  sequentially until the message [SAVE] appears to leave the menu. Confirm with  key


The calibration with test weights has been successfully completed- the scale is now ready to use!

For 2nd scale calibration proceed as described above.

2.2.2 Electronic calibration (eCal)

Note: Define the scale capacity and resolution before starting the eCal (Refer to chapter 3.1)!






Enter the parameter [613] and confirm with  key

[Total LC Capacity] Enter total load cell capacity via numerical keys. Example: If the scale has 4 load cells with 1000kg =>Enter: 4000

[Average LC OUT] Enter load cell output in mV/V via numerical keys. The rated output is defined on Final Data Summary, which is attached to every load cell

Example for a scale with 4 load cells:
WZ1 = 2,0010; WZ2 = 1,9998; WZ3 = 1,9986; WZ4 = 2,0002 =>
(2,0010 + 1,9998 + 1,9986 + 2,0002) / 4 => Enter: 1,9999 (average value of all load cell)

[Zero Adjustment] Confirm with  key if the scale is empty to do the zero calibration
After the successful calibration, the next parameter appears on the display
Press  or  until the message [SAVE] appears to leave the menu.

Confirm with  key

Fig.: Final Data summary
(attached to every load cell)

The electronic calibration eCal has been successfully completed- the scale is now ready to use!