

M2200

P02 1013 Application

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P02 1013 Application

In General

This is a technical description of the M2200-P02 1013 application.

The application's Lua source code is available from Marel hf free of charge but subject to conditions. For more information please contact service@marel.is.

The “Programming” chapter of the *M2200 P02 & M02 Packing Scale User's Guide* contains more information on Lua scripts and M2200 programming.

About P02 1013

P02 1013 is an application for a stand-alone M2200 packing scale without any controls.

Using P02 1013

Starting Up

To start using the P02 1013 application for the first time you must start by setting the application parameters.

To set the application parameters

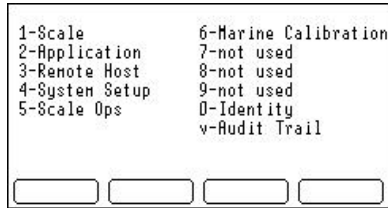


Figure 1 The Top Level Menu page.



Figure 2 Parameter list A.

- 1 Press and hold the PAGE  key for ca. three seconds to display the Top Level Menu page.
- 2 Select **4-System Setup** → **Settings** → **System parameters A**.

- 3 Select a line in the parameter list, press the CHECK  key to enter a value for the parameter, and then confirm by pressing  again.
- 4 Press  to return to the parameter list.

Note: You must scroll down with the arrow keys to see all parameters in the list.

- 5 When you have finished setting all system parameters, press  once and select the Parameters option on the Settings menu to create a new product.

To create a new product

- ◆ For details on how to create products, see instructions in “Creating Products” on page 12 in the *M2200 P02 & M02 Packing Scale, User’s Guide*.

Available parameters:

Parameter:	Description:
Accept all weights	If this option is selected, the application will record packs without regard to packing limits.
Send weight messages to port 1	If this option is selected, the application will send weight messages to serial port 1.
Send weight messages to pqueue	If this option is selected, the application will send weight messages to the persistent output queue.

The Scale page

The Scale page in P02 1013 shows the current product name (1), the calculated/selected nominal weight (2), the packing bar (3), and the weight display (4).

You can use the arrow keys to select the previous or the next product.

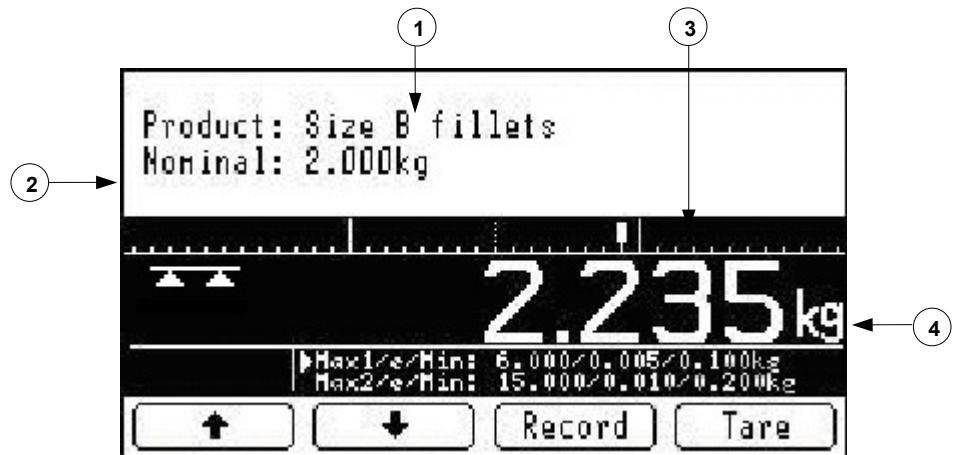


Figure 3 The P02 1013 application, Scale page.

The Application Page

From the Scale page press  to display the Application display, which gives access to two pages, the Data page and the Debug page.

Use the DEBUG and DATA keys to switch between pages.

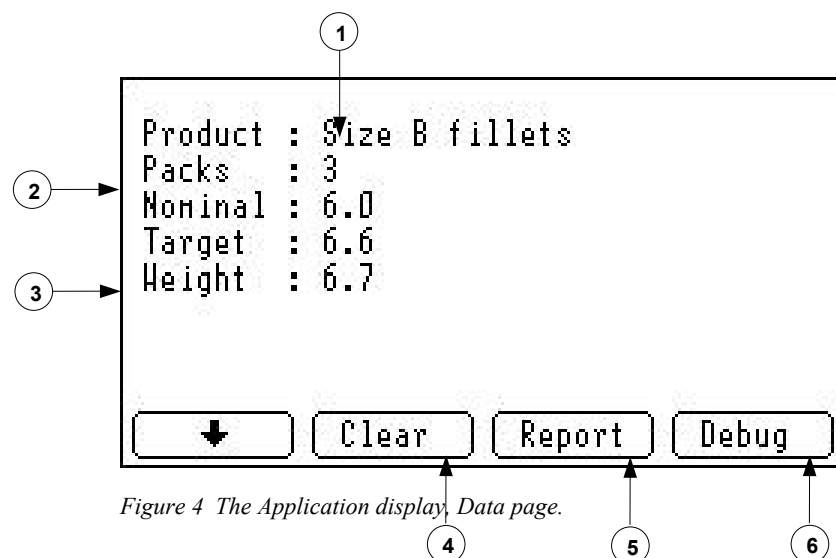


Figure 4 The Application display, Data page.

Data page

On the Data page you can see the product identification (1), the total number of packs (2), nominal and target weights, and the total weight for the product (3).

- Use the arrow key to select another product to view its details.
- Press the CLEAR key (4) to clear data for the displayed product.
- Press the REPORT key (5) to generate a weight report to the scale's serial port 1.
- Press the DEBUG key (6) to switch to the Debug page.

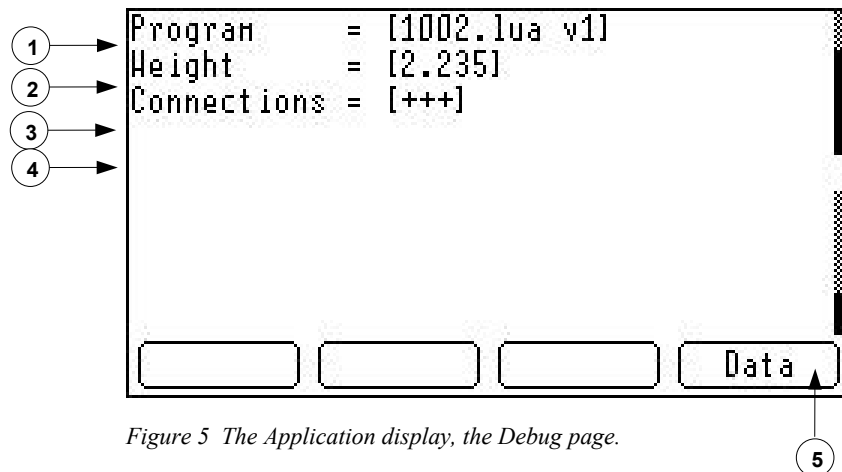


Figure 5 The Application display, the Debug page.

Debug page

The Debug page shows the currently active application's name and version number (1), the current weight on the platform (2), and the current state (3) and emergency number (4).

Connection status indicators

- The first character in the connection status string is "+" if there is an active connection on the message port, otherwise the flag is set to "-".
- The second character shows the same for the terminal port.
- The third character is "+" if the CAN unit is online, otherwise the flag is set to "-".

Press the DATA key (5) to switch to the Data page.

Host Interface

Specific Interface

Weight message from device

Depending on the weight message options specified (see page 2) a message can be sent to serial port 1 and the persistent output queue every time a pack is recorded.

The message format is:

W<TAB><Product name><TAB><Product ID><TAB><nominal weight>
<TAB><real weight><unit>

Example:

W Size B fillets 9 2.000kg 2.235kg

