Version 1.00

User's Guide

M2200

P02 1012 Application

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P02 1012 Application

In General

This is a technical description of the M2200-P02 1012 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 1012

P02 1012 is an MPS-compatible M2200 application for a packing scale that can be used with MPS programs, such as pklist.

The application does not include any controls.

Using P02 1012

Starting Up

To start using the P02 1012 application for the first time you must start by setting the application parameters.

To set the application parameters

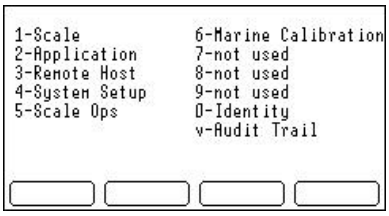

Figure 1 The Top Level Menu page.

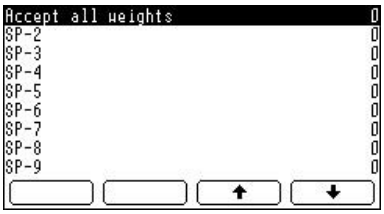

Figure 2 Parameter list A.

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.

If you select the **Accept all weights** option, the program will allow registration of items without regard to the packing limits.

The Scale page

The Scale page in P02 1012 shows the MPS terminal window (1), the packing bar (2), and the weight display (3).

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

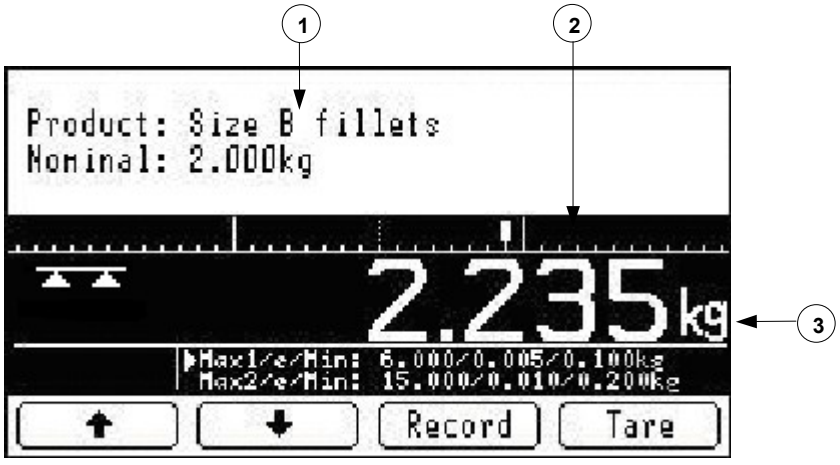

Figure 3 The P02 1012 application, Scale page.

The Application Page

From the Scale page press to display the Application display.

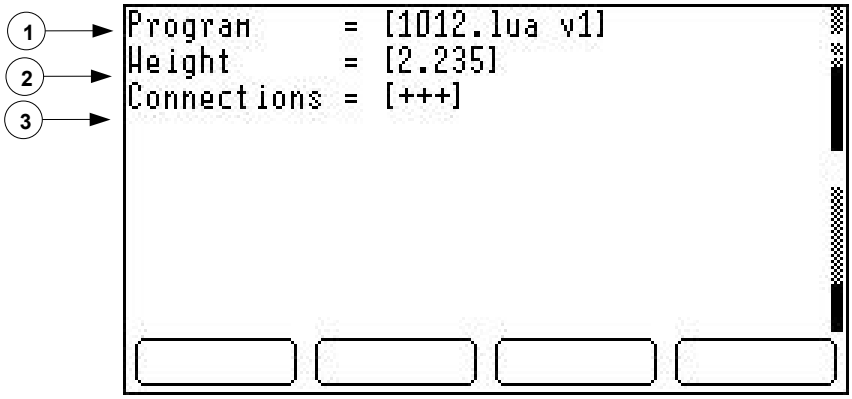

Figure 4 The Application display.

This page shows the application's name and version (1), the current weight (2), and a connection status string (3).

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 "-".

Host Interface

Specific Interface

ID button message

A REC_IDBUTTON message is sent to the persistent output queue when an ID button is read. The message is only sent if there is an open socket connection on the output queue.

Field	ID Value	Value
REC_IDBUTTON	80	N/a
FLD_BUTTONID	55	Button number

Table 1 REC_IDBUTTON format.

Sample message:

<STX>(80<TAB>55<TAB>9f000002fe64d609<ETX>

Serial port 2 message

A REC_SCAN message is sent to the persistent output queue when serial data is input to comm port 2. The message is only sent if there is an open socket connection on the output queue.

Field	ID Value	Value
REC_SCAN	84	N/a
FLD_SCAN	60	Serial input
FLD_PORTID	62	Port ID

Table 2: REC_STATE format

Sample message:

<STX>(84<TAB>60<TAB>780879306045<TAB>62<TAB>2<ETX>

Packing message

A REC_PACK message is sent to the persistent output queue every time a pack is recorded.

Field	ID Value	Value
REC_PACK	103	N/a
FLD_WEIGHT	1	Pack weight
FLD_NOMINAL	77	Pack nominal weight
FLD_UNIT	2	Unit for nominal weight
FLD_TARGET	78	Pack target weight
FLD_ACCEPT	11	Accept status
FLD_TARE	59	Active tare
FLD_TARETYPE	81	Tare type, “preset” or “button”
FLD_FGIVEAWAY	79	Fixed giveaway
FLD_VGIVEAWAY	80	Giveaway percentage
FLD_MATERIAL	6	Product ID

Table 3: REC_PACK format

Sample message:

<STX>(103<TAB>1<TAB>2.235<TAB>77<TAB>2.000kg<TAB>2<TAB>kg<TAB>78<TAB>2.2<TAB>11<TAB>0<TAB>59<TAB>0<TAB>81<TAB>button<TAB>79<TAB>0<TAB>.2<TAB>80<TAB>0<TAB>6<TAB>0<ETX>