

Names of logical Inputs/Outputs

Each logical input and output may be related to any physical input or output of a load application device or the terminal.

The configuration of I/Os may be different for each of the four measurement channels.

Logical outputs

No	Functions
<i>Metrological:</i>	
1	Available system
2	Stability
<i>Command executed report:</i>	
11	Zero
12	Taring when stable
13	Taring without being stable
14	Return to gross
15	Print
<i>Impossible command report:</i>	
21	Zero
22	Taring when stable
23	Taring without being stable
24	Return to gross
25	Print
<i>Levels:</i>	
31	Level 1
32	Level 2
33	Level 3
34	Level 4
35	Level 5
36	Level 6

Logical inputs

No	Functions
<i>Metrological:</i>	
51	Zero
52	Taring when stable
53	Taring without being stable
54	Return to gross
55	Print
<i>Validation of levels:</i>	
61	Level 1
62	Level 2
63	Level 3
64	Level 4
65	Level 5
66	Level 6

Example printouts

```

***** PRECIA MOLEN *****
WORLDWIDE WEIGHING
07000 PRIVAS

Channel: 2 SCALE 5 kg

On 19/04/14 AT 07:40 WEIGHING No: 2/2

NET : 2.35. kg

Thank you for your visit
*****
    
```

List of printable data

- ▼ 3 Company name lines (can be configured in the Serial Port file)
- ▼ Date and Time (optional)
- ▼ Ticket number (optional, Serial port file)
- ▼ Free input 1* (optional)
- ▼ Free input 2* (optional)
- ▼ Reference file 1* (optional)
- ▼ Reference file 2* (optional)
- ▼ The weight (can be configured in the Serial Port file) :
- ▼ Gross weight
- ▼ Net weight
- ▼ Gross/Taring/Net weight on one line
- ▼ Gross/Taring/Net weight on three lines
- ▼ 2 bottom of ticket lines at the end of the ticket

* REFERENCE TITLE command in the FILES menu.

Your weighing specialist

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**PRECIA
 MOLEN™**
 WORLDWIDE WEIGHING

I 410 WLC Weight Level Control

**PRECIA
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 WORLDWIDE WEIGHING

Applications

The I 410 WLC software satisfies most needs in terms of control and checks on levels in the industrial environment.

It enables simultaneous control of 6 levels and 4 analogue outputs on 1 to 4 measurement channels.

Independent parameter settings are possible for each level of each measurement channel :

- ▼ Magnitude to be compared (Gross, Net, Flow),
- ▼ Level control,
- ▼ Several comparison modes,
- ▼ Hysteresis, Tolerance (complementary set point),
- ▼ etc...

The I400 WLC system manages two serial ports in addition to the level and analogue output check functions. These serial ports can be connected to :

- ▼ One of the following types of printer (for tickets, etc...):
 - P 250
 - P 360
 - P 140
- ▼ One or several repeaters (addressable),
- ▼ An RS 232/422/485 connection for MODBUS,
- ▼ A USB key module for archiving and storage.

Possible association of 2 file references and 2 uncontrolled references.

Possibility of a complete control over the level check using a logical controller with a MODBUS connection.

Minimum configuration

- ▼ A user terminal,
- ▼ A weight load application device or a measurement option card in the terminal,
- ▼ Logical inputs/outputs or analogue output on the load application device or terminal.

Operator interface



1. Application main screen (display the weight of the current channel).
2. F1 : Target - select level or direct input of level.
3. F2 : Access input reference 1.
4. F3 : Access input reference 2.
5. F4 : Access input information 1 : Free text.
6. F5 : Access input information 2 : Free text.
7. F6 : Select the previous weighing channel.
8. F7 : Select the next weighing channel.
9. F8 : Print.
10. F10 : Access application files (configuration).
11. SF1 to SF4 : Different function keys for each level.
12. Validation key.

Function keys F1 to F10 and SF1 to SF4 are structured in 3 levels. They may perform different functions depending on the context.

Configurations

The many operating parameters of the I400 system, independently configurable on each channel, are structured in 4 files and four action levels protected by a password:

- ▼ Installer:
 - Metrological setting up and configuration of inputs/outputs.
- ▼ Supervisor:
 - Parameter setting of channels and analogue outputs.
- ▼ Operator:
 - Definition of level values.
- ▼ User:
 - Rights limited to recall of a level configuration.

This segmentation of parameters makes the I400 system modular so that it can be easily integrated into most industrial processes. This also makes operation of the application secure by preventing access to an unauthorised operator.

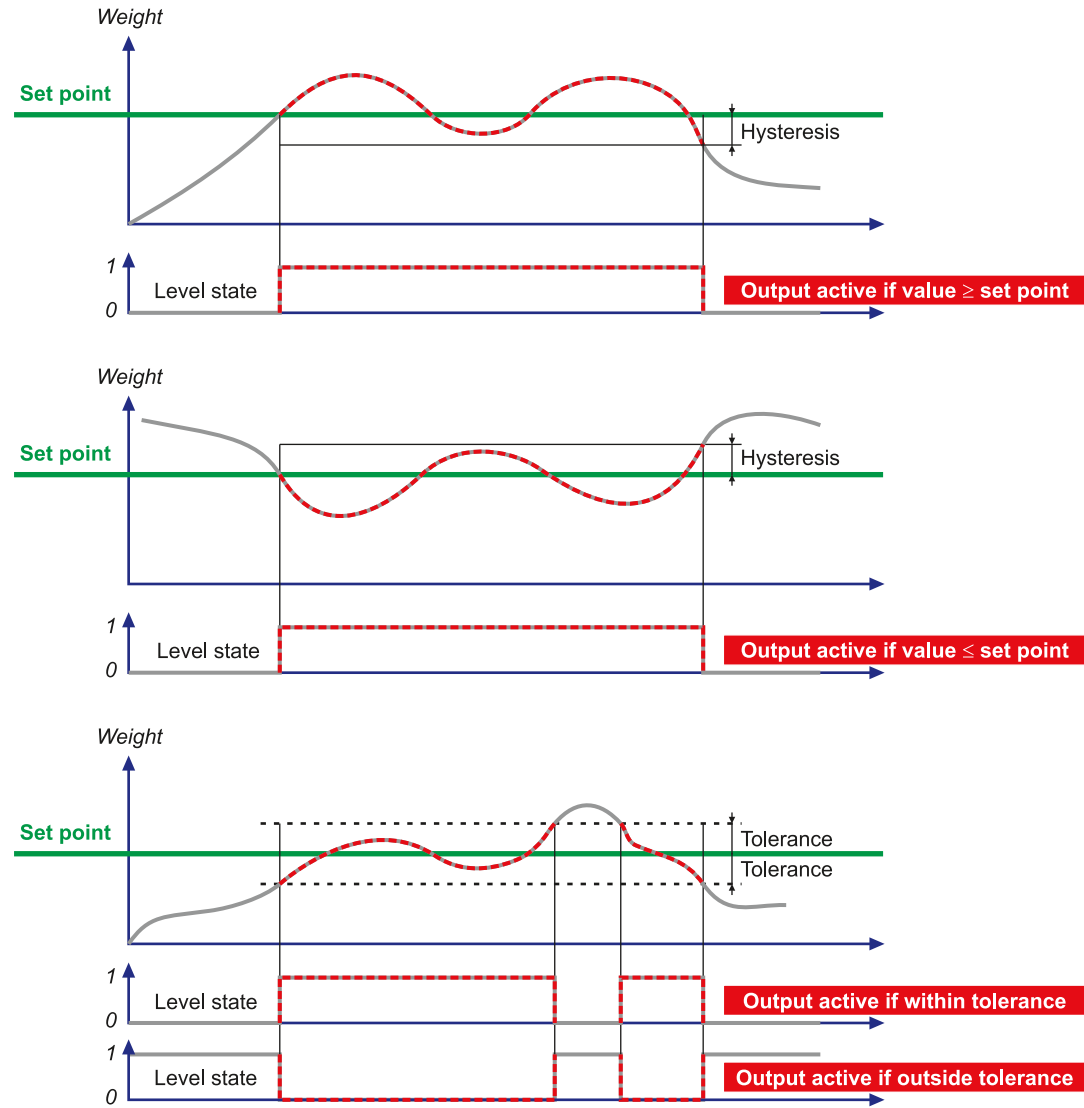
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Level control modes

The operator or the communication protocol selects the configuration of levels to be checked.



File characteristics

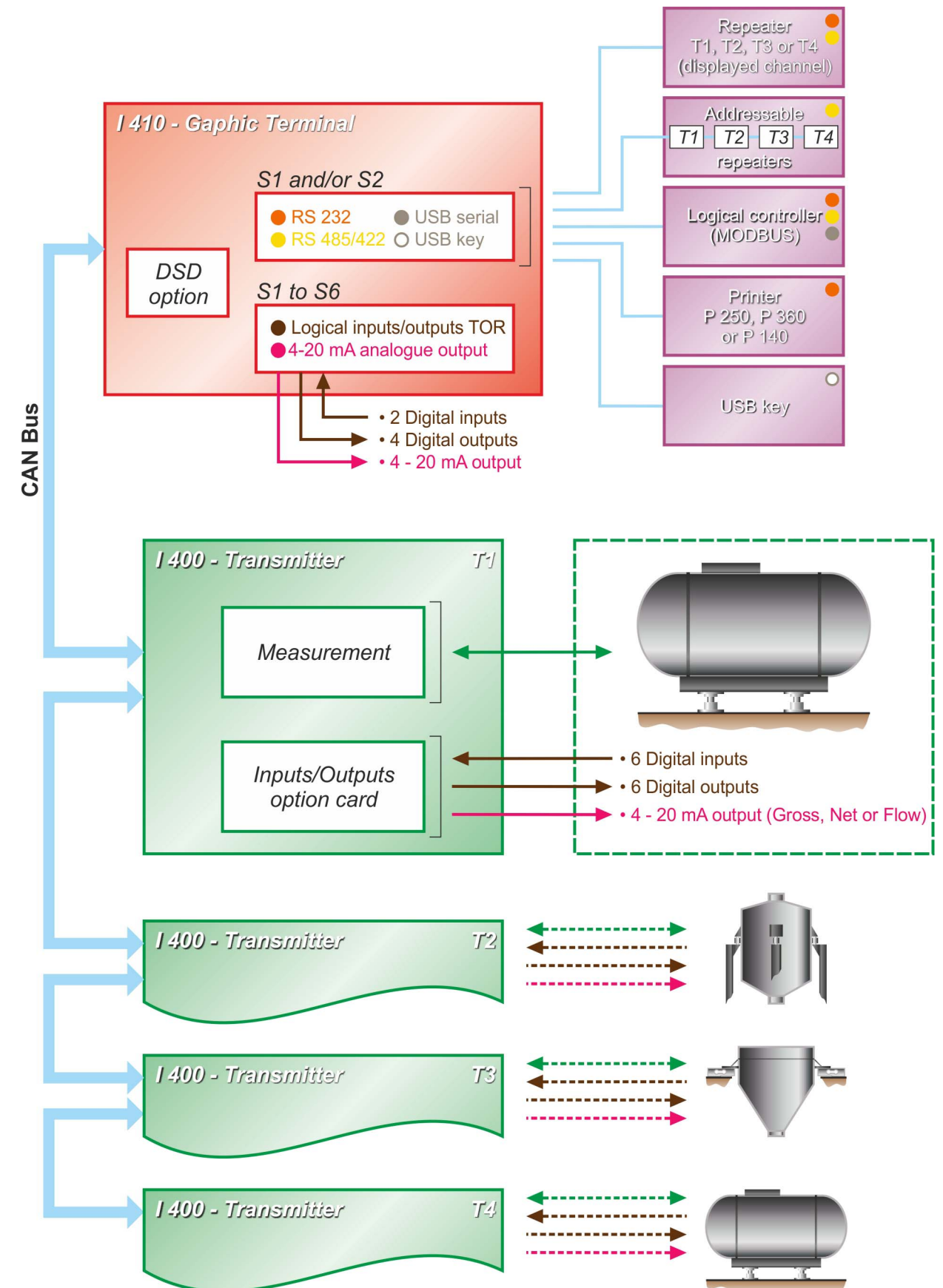
File	Capacity	Code	Description	Action level
Levels Operator	100	2 num. car.	12 alpha. char.	Operator
Reference 1	100	12 alpha. car.	20 alpha. char.	Supervisor
Reference 2	100	12 alpha. num.	20 alpha. char.	Supervisor

2 available free input fields (information 1 and 2) on 20 characters maximum.

Data storage devise (DSD) :

- ▼ Max. number of records..... 48 000.
- Stored values : DSD No, gross, taring, net weight, predetermined taring, weight type printed, weight type transmitted by protocol, unit, identification No.

Block diagram



* Possibility of having a measurement channel directly in the graphic terminal, and in this case there are not more than 3 load application devices.