



| Webinars Instrumentación

Pem SIWAREX
desde HMI
25/02/21

Caudal Coriolis
04/03/21

Posicionador
SIPART PS2
11/03/21

Pem Nivel
radar / ultrasonido
18/03/21

SIEMENS

TEAMs – Silenciar micrófono. La sesión será grabada

Está grabando Informe a todos de que se les está grabando.

Política de privacidadDescartar

INSTRUMENTACION
Webinar PESAJE
Puesta en marcha de tu báscula estática
25 Febrero 2021

Unrestricted | © Siemens 2020 | Natalia Sangrador| DI PA PI W

REC

SE RUEGA SILENCIAR MICROFONO

01:14



INSTRUMENTACION – Webinar PESAJE

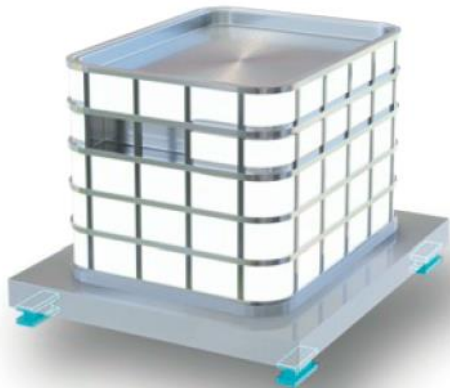
Puesta en marcha de tu báscula estática/dinámica desde pantalla HMI.

25 Febrero 2021

AGENDA

- **Pesaje estático: PEM desde pantalla HMI**
 - Báscula no automática: silo, plataforma (20min)
 - Caja suma digital: total transparencia de tus células de carga
 - Transacciones comerciales
 - Báscula automática: dosificación grueso/fino (10min)
- **Pesaje dinámico: PEM desde pantalla HMI**
 - Báscula de cinta transportadora (10min)
- **Preguntas (15 min.)**

Pesaje – Áreas de aplicación de tecnología de pesaje



Básculas de plataforma



Báscula de depósito

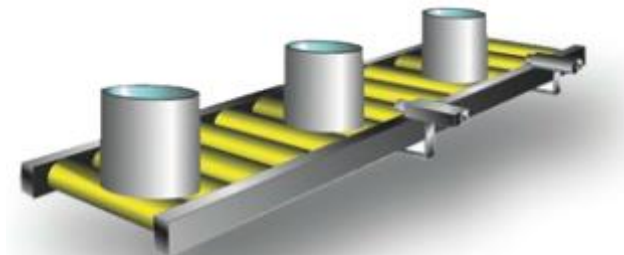


Dosificación

Pesaje estático

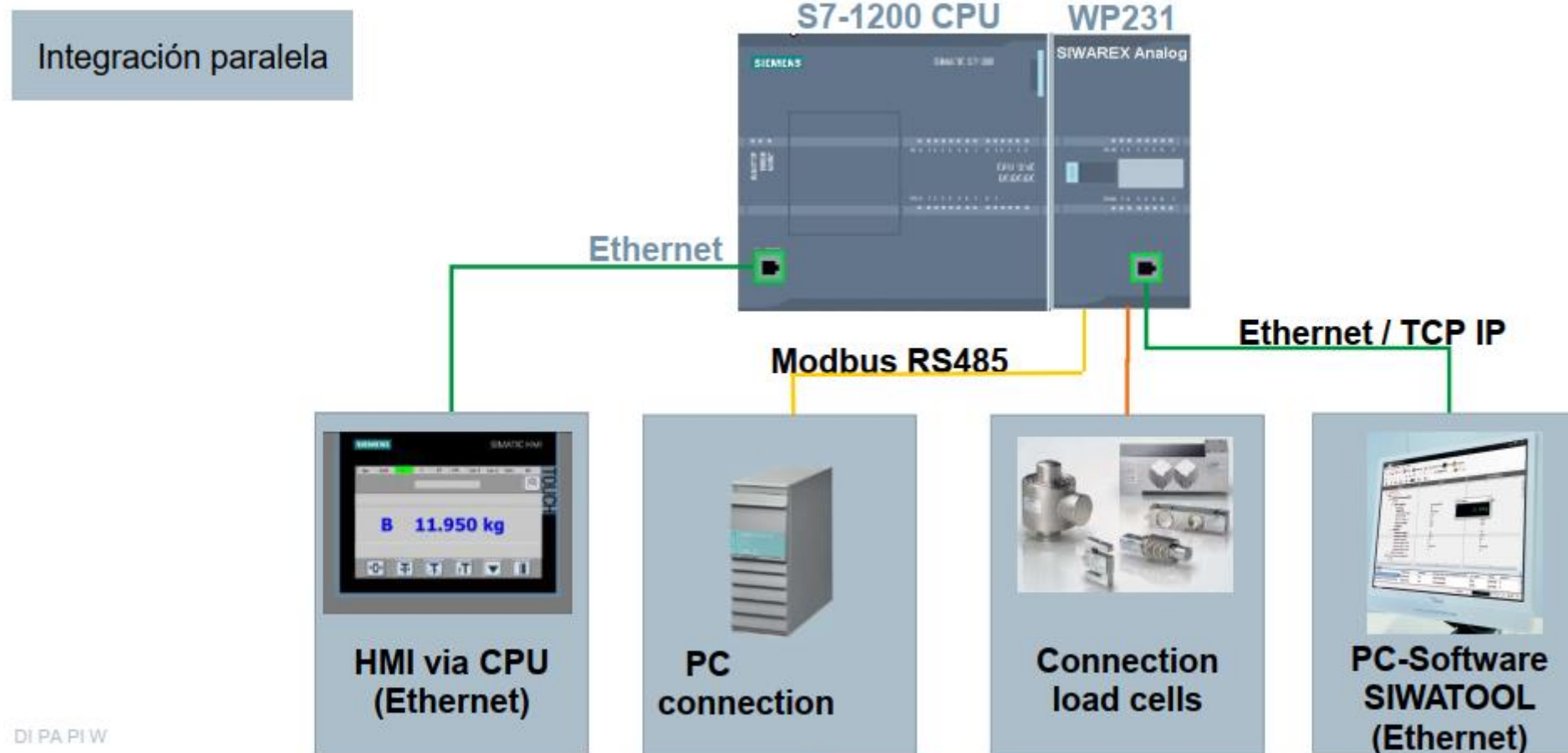


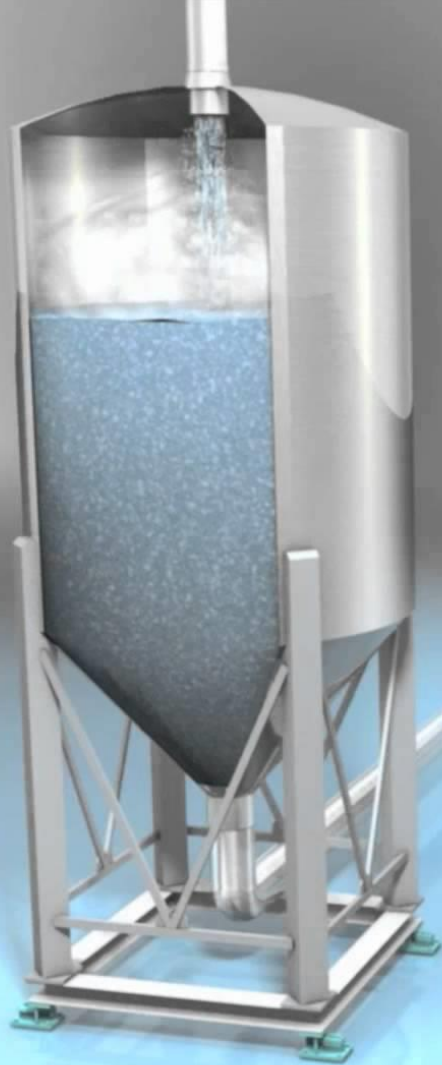
Envasado y ensacado



Balanzas de control

Posibilidades de conexión - dentro de SIMATIC S7-1200





SIWAREX
Pesaje estático



SIEMENS

Please select the desired module



SIWAREX WP231



SIWAREX WP241



SIWAREX WP251



SIWAREX WP321

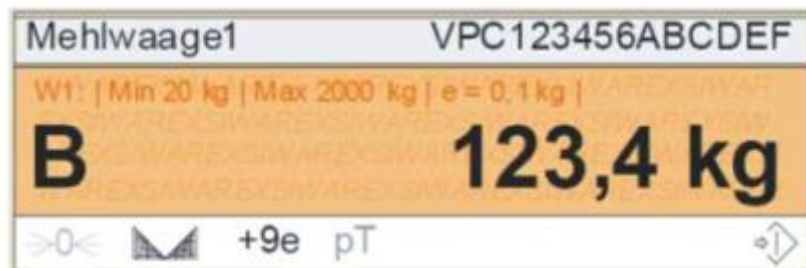
To use Sm@rtClient :

- Download the app from Play Store or Apple store.
- Connect to WLAN-SSID "Demo rack WP8", use password "demorack"
- Set IP Adress 192.168.0.30 as adress for the panel in the app

LEGAL FOR TRADE:

Requisitos:

- Software SecureDisplay
- Panel HMI Confort
- Certificado OIML de aprobación de tipo R para el módulo
- Certificado “C” para células de carga
- Chapa de contraste para tapar bornes de conexión
- Plantillas para etiquetas de identificación
- Marcas autoadhesivas “M”





Siwarex



empty

1/4d0

><

T

pT

+9 e

Limit1

Limit2

Service

Error

Siwarex

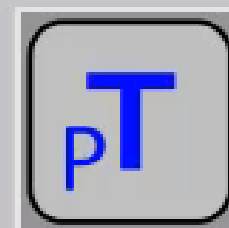
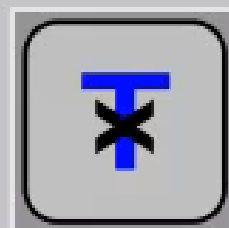
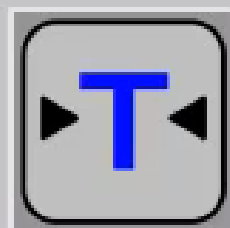
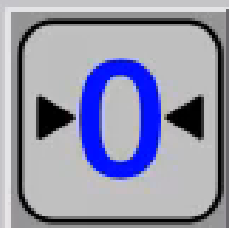
YSU/K5160714

W1 | Min 0,2 kg | Max 50 kg | e = 0,01 kg |

B

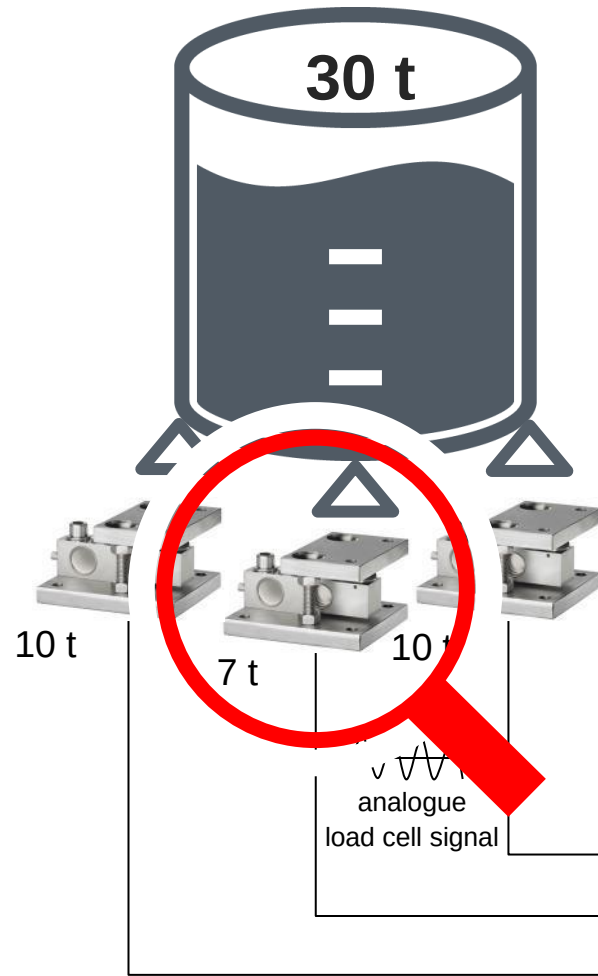
20.09 kg

Wait



SIWAREX DB: Caja suma digital.

Total transparencia



*Digitalizando cada
célula de carga
= valor separado de
cada celula de carga
= total transparencia*

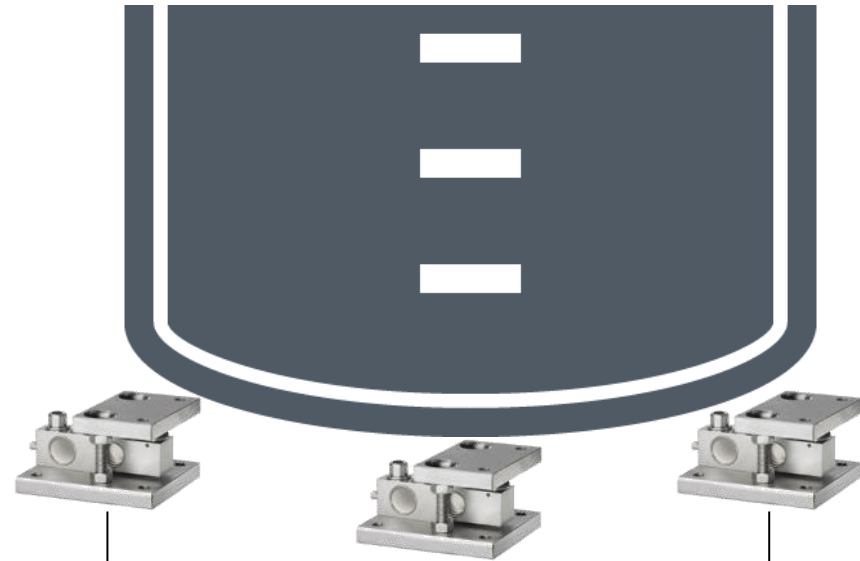


Digital
Junction Box

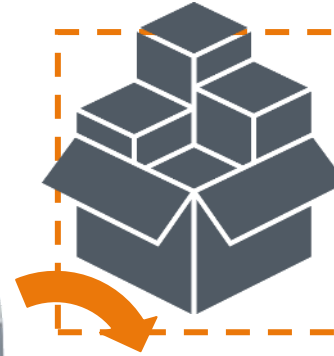
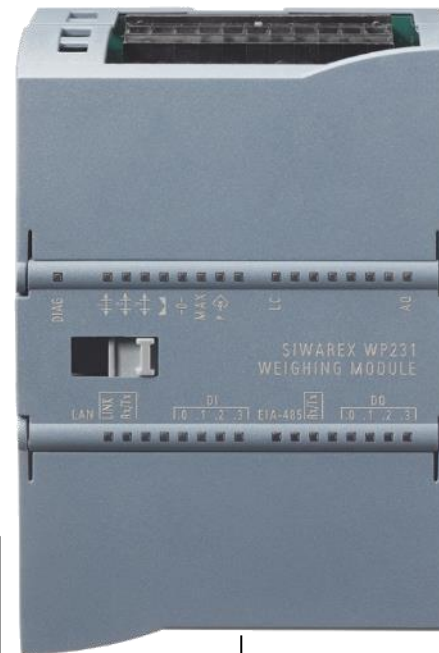


011001011110100
digital signal of
each load cell

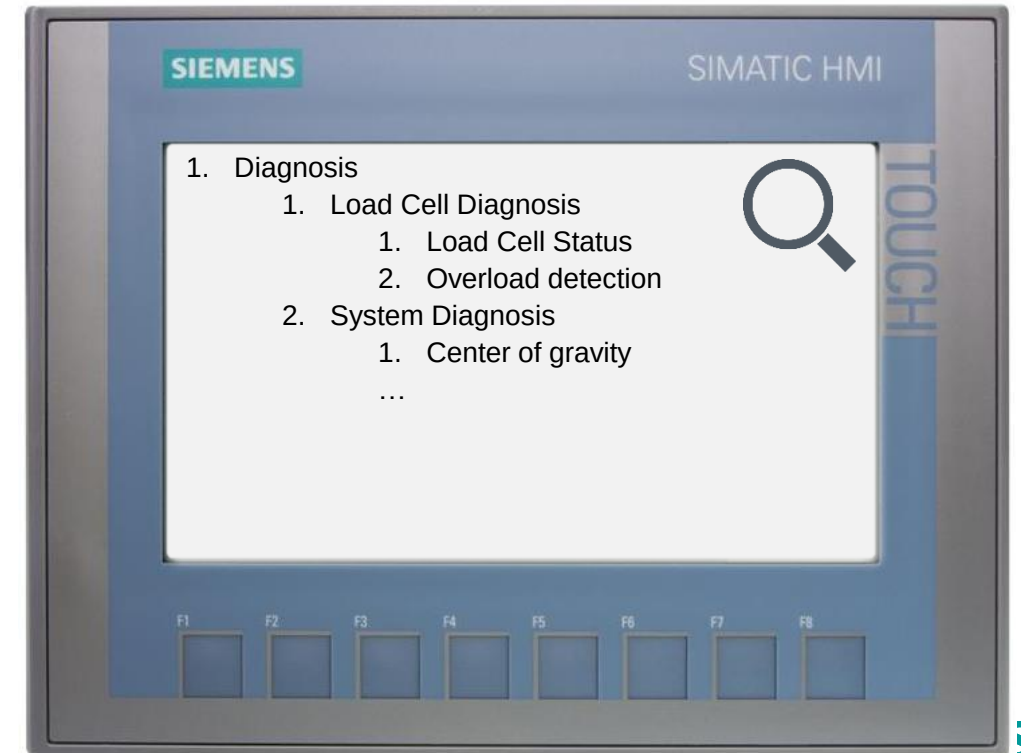
SIWAREX DB: Caja suma digital. Total transparencia



Create digital junction box
“SIWAREX DB”



Create intelligent software
package for SIWAREX
weighing modules



SIWAREX DB: Caja suma digital. Total transparencia

Value	PC	SIWAREX
Info		
Basic Parameters		
Scale name	Siwarex	Siwarex
Weight unit	kg	kg
Gross indicator	P for Gross	P for Gross
Loading cell type	SIWAREX DB	SIWAREX DB
Minimum weight (in d)	0	0
Maximum weight	20.0	20.0
Resolution d	0.0001	0.0001
Scale characteristic curve		
Calibration weight 0	0.0	0.0
Calibration weight 1	5.0	5.0
Calibration weight 2	0.0	0.0
Calibration digits 0 (measured)	50442	49265
Calibration digits 1 (measured)	536821	535786
Calibration digits 2 (measured)	0	0

- Calibration Parameter (DR3):
- ✓ Establecer el tipo de célula de carga

- RS485 Parameter (DR13):
- ✓ En RS485 Protocol: SIWAREX DB
- ✓ En RS485 Baud rate: 115 000 bits/s

Value	PC	SIWAREX
RS485 Parameter (DR13)		
Info		
RS485 protocol	SIWAREX DB	SIWAREX DB
RS485 baud rate	115 000 Bit/s	115 000 Bit/s
RS485 parity	Even	Even
RS485 data bits	8 data bits	8 data bits
RS485 stop bits	1 Stop Bit	1 Stop Bit
Byteswap for ASCII fields	yes	yes
Byteswap for 16 bit tags	big endian (MSB first)	big endian (MSB first)
Byteswap for 32 bit tags (1 <-> 2, 3 <-> 4)	big endian (MSB first)	big endian (MSB first)
Wordswap for 32 bit tags (1, 2 <-> 3, 4)	little endian (LSB first)	little endian (LSB first)
Modbus address RTU (RS485)	20	20
Decimal point remote display	none	none
Modbus response delay (ms)	0	0

SIWAREX DB: Caja suma digital.

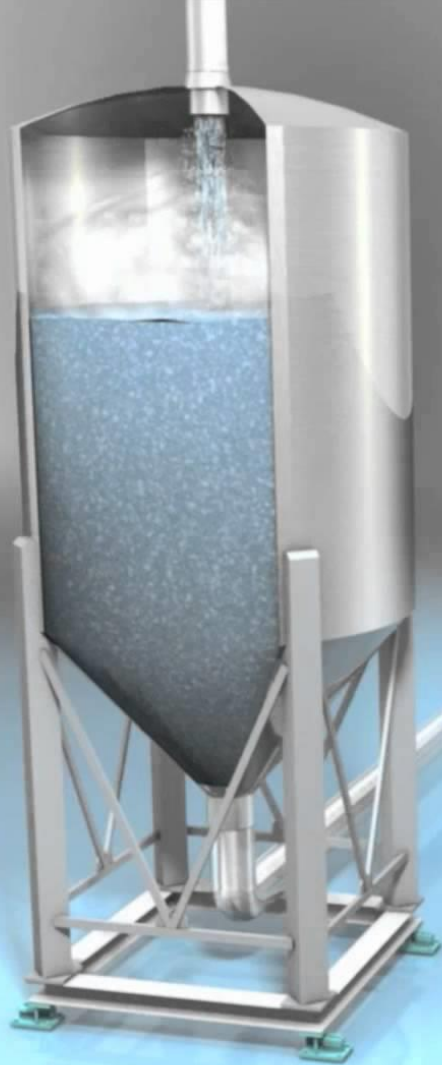
Total transparencia

Value	PC	SIWAREX
SIWAREX DB Parameter (DR70)		
Info		
General		
Load cell manufacturer		
Load cell order number		
Type of sensor	6-wire sensor	6-wire sensor
Total capacity of all load cells	1000.0	1000.0
Load cell input 1		
Location Designation of Sensor		
Channel active	ON	ON
Load cell input 2		
Location Designation of Sensor		
Channel active	OFF	
Load cell input 3		
Location Designation of Sensor		
Channel active	OFF	
Load cell input 4		
Location Designation of Sensor		
Channel active	OFF	

- SIWAREX DB Parameter (DR70)
- ✓ Establecer el tipo de célula de carga
- ✓ Activar o desactivar célula de carga

- SIWAREX DB Process state (DR80)
- ✓ Información de cada célula de carga

Value	PC	SIWAREX
SIWAREX DB - Process State (DR80)		
Info		
General		
Device Status		
Refresh counter	0	54904
Load cell input 1		
Status		
Digits filtered	0	49262
Load on sensor (%)	0.0	2.56
Signal Voltage SIG (mV)	0.0	0.24
Load cell input 2		
Load cell input 3		
Load cell input 4		
SIWAREX DB - Process State Extended (DR81)		
Info		
General		
Load cell input 1		
Impedance (Ohm)	0.0	407.5
Sense Voltage SEN (mV)	0.0	4.75
Excitation current (mA)	0.0	11.6
Load cell input 2		
Load cell input 3		
Load cell input 4		



SIWAREX
Dosificación



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B

3.0 kg



Standstill 1 ><

Standstill 2 ><

Empty limit 3

Weighing range

Error

Step 0 - Idle

C

F



E

Set point

50.000

kg

Tolerance

> TH2

> TH1

< GOOD >

< TL1

< TL2

> BAD <

Start single weighing
(F1)

Stop weighing
(F3)

Continue weighing
(F5)

Rest weighing
(F7)

Start continuous
mode (F2)

Abort weighing
(F4)

Stop continuous
mode (F6)

Rest emptying
(F8)



Pesaje dinámico

PEM Báscula de cinta

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Please select the desired module



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| Muchas gracias



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