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Prerequisites for the installation of a RS32 Waste Scale.

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Prerequisites for the installation of a RS32 Waste Scale.

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- 1. You must have RS232 protocol (protocol to send data) asynchronous communication protocol that can transmit ascii frames
- To have well identified RX (cable in charge of receiving data) and TX (cable in charge of transferring data) of the scale, preferably using DB9 male connector. (To have identified the scale ______ wiring



1. Define the baud rate which the scale will be working (character transfer rate between the devices).

	And the second se	and the second	-			
Disconnect Help About.	COM Port	Baud rate Color 14400 57600 C 600 C 14400 C 57600 115200 C 1200 C 19200 C 115200 C 128000 C 4800 C 28800 C 128000 C 26000 C 9600 C 56000 C custom C custom	Data bits ⊂ 5 ⊂ 6 ⊂ 7 (• 8	Parity (* none C odd C even C mark C space	€ 1 € 1 € 1.5 € 2	Handshaking (◆ none (○ RTS/CTS (○ X0NA0FF (○ RTS/CTS+X0NA0FF (○ RTS/CTS+X0NA0FF (○ RTS on TX (○ invert)
Settings	1					
Set font	Auto Dis/Connec AutoStart Script	t Time Stream log cust CR-LF Stay on Top 115	om BR Bx Cl	Car ASCII	able Sorig	note
Receive						
CLLERIS /	AutoScroll	Reset Crit 13 Crit = 5	HEX ASCII	StartLog	Stamp topLog _ R	leg/Resp Hex Bin
aross 10.40 kg aross 10.35 kg aross 10.40 kg aross 10.40 kg						





2. That the scale messages has no more than one line break (it should only have one carriage return per message line, the string can have more than 12 characters, but the febo device can only read 12 characters).

You can see a case of break lines, which is not appropriate when sending the frame as image follows :

Date:	20.12.10	
Time:	22:03:18	
Net	0.0kg	
lare	0.0kg	
Gross	0.0kg	
Date:	20.12.10	
Time:	22:03:30	
Net	74.0kg	
Tare	0.0kg	
Gross	74.0kg	
Date:	20.12.10	
Time:	22:03:35	
Net	74.0kg	
lare	0.0kg	

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It would be recommended to send it as in the following example:

Message example: abcdefghaijklmnopqrs

3. The scale doesn't send messages constantly, it only sends it when required, either by a button (the scale transmits on demand or when there is stabilization, the minimum capture is 25 sec).

Example: Hardy scale works on demand by pressing the button to capture data.





4. How to differentiate between RPM and RS232 devices. If the device is hybrid, please contact support to make the changes.



Points to consider:

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• Once the installation is done and the device is already powered

In case you require the internal parameters of the febo configuration, please consult the support team who will help you to make the required configurations.

- Validate that it is configured in the correct zone.
- The rs322 device is pre-configured at 115200 bauthrate.
- 24v DC power is required to supply the device.
- The device is IP67 protected
- The operating mode is in the range of 0 centigrade to 50 centigrade.

Common RS232 equipment failures and solutions:

- It is recommended to install inside a cabinet
- On its first start-up the device does not turn on, the indicator LED does not light up.

	Led status	Recommendation
0	Device led doesn't turn on	Check power supply
	The led of the device remains green	The device is operating correctly
•	The led remains red and doesn't change	The device is saturated with messages, the recommendation is to send the message every 25 secs.
	The led on the device changes to red and returns to green	The data is sent correctly

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	The led of the device remains blue	The device is in configuration mode to return					
		it to green just press the reset button					
Note: In case that after following the above recommendations, you continue with failures, new							

Note: In case that after following the above recommendations, you continue with failures, please contact the support team to perform the corresponding validations.

Internal and external cabinet installation:

- It is recommended that the febo device be installed inside the cabinet and the antenna be located outside.
- Make sure that the inside of the cabinet does not exceed the recommended temperature for febo operations.

Considerations for the device to operate correctly:

- It is recommended that the device not be exposed to temperatures higher than recommended (50 degrees Celsius).
- Prevent the device have contact with water.
- Prevent the power supply from increasing or decreasing to the recommended voltage.
- Avoid knocking the device
- Avoid changing the predefined manufacturing wiring.
- Do not handle the device when it is energized (only handle it in this state if authorized by the support team).



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