

## 1. SF40A/BT Features

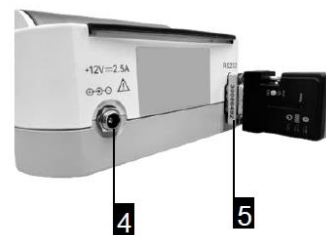
- Support all 13 languages present in Ohaus instruments.
- Statistics and Totalization functions.
- Zero / Tare function.
- Real-time clock function.
- Thermal stable and light resistant print out for recording measurement data and calibration procedures (GLP GMP compliant)
- Easy setup with the software provided with the printer.
- Auto-Paired Bluetooth connection which does not require any additional pairing actions, such as entering paired device names and password.
- Point-to-point Bluetooth data transfer

## 2. SF40A/BT Overview

### Controls



### Connections



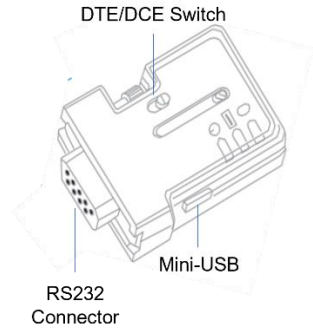
- 1 On/Off Switch
- 2 Pilot lamp – status indicator
- 3 Control panel
- 4 Power connection
- 5 RS232 Interface connector (with Bluetooth)

## 3. Package Contents

- 1 x Printer
- 1 x Power Adapter + Cable
- 1 x Printer-side Bluetooth Adapter (30086492)
- 1 x Scale-side Bluetooth Adapter (30086493)
- 1 x USB-Mini cable for BT Adapter power supply
- 1 x Paper Rotary Axis
- 1 x Paper Roll
- 1 x Instruction Manual

## 4. Connect SF40A/BT Printer via Bluetooth

- 1) Set DTE/DCE:
  - Printer-side BT adapter - yellow (30086492): **DCE**
  - Scale-side BT adapter - orange (30086493): **DTE**



- 2) Connect the **Printer-side BT adapter - yellow (30086492)** into the RS232 interface of the printer.



- 3) Connect the **Scale-side BT adapter - orange (30086493)** into the RS232 interface of the scale.
- 4) Connect the **mini-USB power cable** to the **Scale-side BT adapter** for power supply.
  - If the scale has a USB interface, **connect the USB to the scale** for power.



Image: USB Connection on Ranger 7000

- If the scale does not have a USB interface, **connect to an external 5V USB power source.**



Image: External USB Adapter (not supplied)

- 5) Turn on the scale and the printer.

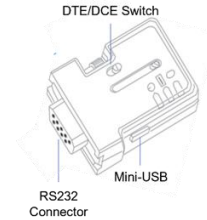
When connected:

- The pilot lamp will stop flashing.
- The blue light on the Bluetooth adapter will stop flashing.
- The printer would print a message automatically.  
e.g. CONNECT "43C9-F0-9B5C03"

## Connection Examples

### Example 1: Connect Explorer EX to Bluetooth Printer

- 1) Set DTE/DCE:
  - Printer-side - yellow (30086492): **DCE**
  - Scale-side - orange (30086493): **DTE**



- 1) Plug the **Scale-side BT Adapter** into the RS232 interface of EX.
- 2) Use the mini-USB cable to connect **the Scale-side Adapter and EX**.
- 3) Plug the **Printer-side BT adapter** into the RS232 interface of the printer.
- 4) Turn on the scale and the printer.



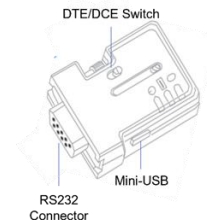
BT Adapter and USB power connection on EX



Bluetooth Adapter connection on printer

### Example 2: Connect Adventure AX to Bluetooth Printer

- 1) Set DTE/DCE:
  - Printer-side - yellow (30086492): **DCE**
  - Scale-side - orange (30086493): **DTE**



- 1) Plug the **Scale-side BT Adapter** into the **RS232 interface of AX (at the back)**.
- 2) Use the mini-USB cable to connect **the Scale-side Adapter and USB interface of AX (at the front)**.
- 3) Plug the **Printer-side BT adapter** into the RS232 interface of the printer.  
Turn on the scale and the printer.



BT Adapter and Back-side USB connection on AX  
Bluetooth Adapter connection on printer



Front-side USB connection on AX

## 5. Compatibility

| Compatible Scale   |  |
|--|--|
| Scales with USB connection   | Scales without USB connection  |
| <ul style="list-style-type: none"> <li>• Explorer EX</li> <li>• Adventurer AX</li> <li>• MB90*, 120*</li> <li>• Ranger 7000</li> </ul> | <ul style="list-style-type: none"> <li>• Pioneer PX</li> <li>• PR Series</li> <li>• PJX Jewelry Balance</li> <li>• NV*, NVL*, NVT*</li> <li>• SPX*, STX*, SJX*</li> <li>• AB33PH*, AB33EC*, AB33M1*, AB41PH*</li> <li>• ST5000**</li> <li>• MB23, 25, 27</li> <li>• Ranger 1000, 3000, 4000</li> <li>• Defender 2000, 3000, 5000 plastic version</li> <li>• Valor 1000 (with RS232)</li> <li>• Valor 7000</li> </ul> |

Notes:

- The compatible list is updated on regular basis. However, it may not cover all compatible scales. Please refer to the instruction manual of the specific scale for compatibility information.
- For **scales with USB interface**, the Scale-side BT adapter can be powered by the scale directly via mini-USB.
- For **scales without USB interface**, the Scale-side BT adapter should link to an external USB power source.
- \* The **Print** button on the printer is not able to activate printing.
- \*\* Requires additional accessory for Bluetooth connection. Please consult Ohaus for more information.

## 6. Specification

For detailed product specifications, please refer to the full instruction manual on [www.ohaus.com](http://www.ohaus.com).



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