

SERVICE MANUAL

BS-02 BASE STATION

BS-02

Tentative Edition



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Screen displays, operating procedures and supporting features might vary with different software version releases.

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ii) Safety Information

The operator of the equipment shall comply with the safety and warning indications and procedures outlined in this document. Teraoka Weigh-System Pte Ltd assumes no responsibility or liability for failure to comply with these requirements.

- Repair and servicing of product, shall only be carried out by trained and qualified personnel.

Disclaimer:

Specifications are subject to change without notice. All dimensions shown are approximate. Please be aware that Teraoka has indicated that its hardware and software used in the product may require additional updates in the future as our product is continually under development. The need for such updates most likely applies to the Printer software.



CAUTIONS:

FOR PLUGGABLE EQUIPMENT, THAT THE SOCKET-OUTLET SHALL BE INSTALLED NEAR THE EQUIPMENT AND SHALL BE EASILY ACCESSIBLE.

**POUR LE MATÉRIEL RACCORDÉ PAR PRISE DE COURANT, LE SOCLE DE PRISE DE COURANT DOIT ÊTRE
INSALLÉ À PROXIMITÉ DU MATÉRIEL ET DOIT ÊTRE AISÉMENT ACCESSIBLE.**

FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE AND RATING OF FUSE.

**POUR NE PAS COMPROMETTRE LA PROTECTION CONTRE LES RISQUES D'INCENDIE,
REMPLENER PAR UN FUSIBLE DE MÊME TYPE ET DE MÊME CARACTÉRISTIQUES
NOMINALES.**

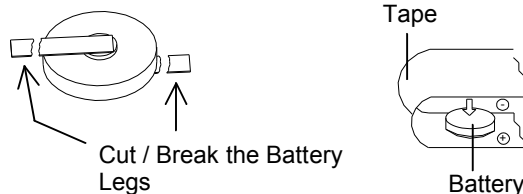
DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE RECOMMENDED BY THE MANUFACTURER. DISCARD USED BATTERIES ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS

**IL Y A DANGER D'EXPLOSION S'IL Y A REMPLACEMENT INCORRECT DE LA BATTERIE.
REMPLENER UNIQUEMENT AVEC UNE BATTERIE DU MÊME TYPE OU D'UN TYPE
RECOMMANDÉ PAR LE CONSTRUCTEUR. METTRE AU RÉBUT LES BATTERIES USAGÉES
CONFORMÉMENT AUX INSTRUCTIONS DU FABRICANT.**



WARNING DISPOSAL:

THE BATTERY MAY BE REGULATED BY NATIONAL OR LOCAL REGULATION. PLEASE FOLLOW THE INSTRUCTIONS OF PROPER REGULATION. AS ELECTRIC CAPACITY IS LEFT IN A DISCARDED BATTERY AND IT COMES INTO CONTACT WITH OTHER METALS, IT COULD LEAD TO DISTORTION, LEAKAGE, OVERHEATING, OR EXPLOSION, SO MAKE SURE TO CUT/BREAK THE BATTERY LEGS AND COVER THE (+) AND (-) TERMINALS WITH FRICTION TAPE OR SOME OTHER INSULATOR BEFORE DISPOSAL.





Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

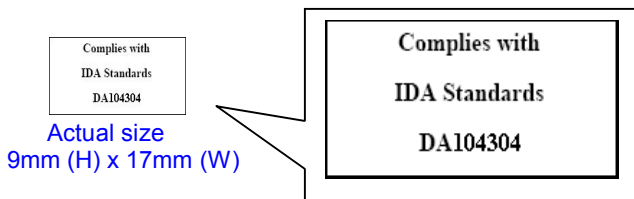
FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IDA Compliance Statement: (Singapore)

This equipment registered to comply with IDA (Info-Communications Development Authority of Singapore) Standard under Dealer's Class License.



Industry Canada statement:

This device complies with RSS-210 of the Industry Canada Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

IMPORTANT NOTE:

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

1. General

1.1 Model Specification

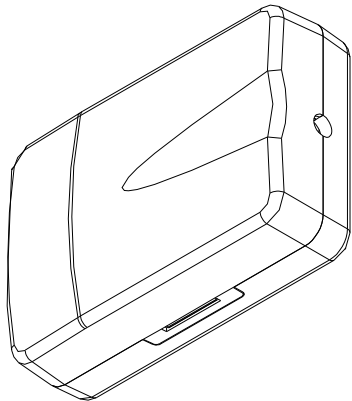
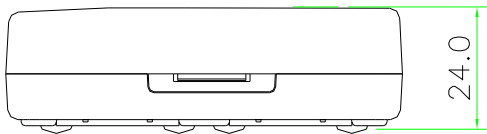
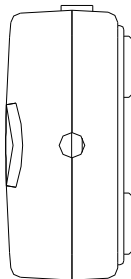
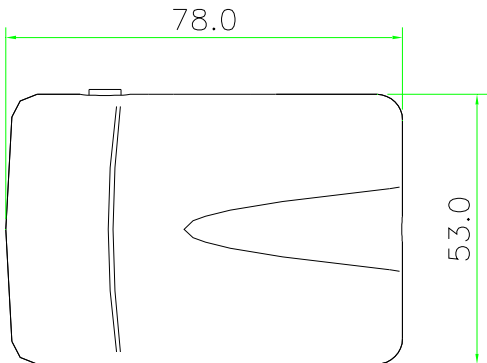
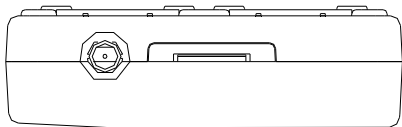
Model	:	BS-02
Dimension (in mm)	:	78.0(L) X 53.0(W) X 25.0(H)
Modulation	:	MSK FOR TX MODE /FSK FOR RX MODE
Frequency Band (TX 1)	:	2.410 to 2.480MHz
Frequency Band (TX 2)	:	2.406 to 2.480MHz
Number of Channels TX 1	:	20 CHANNELS
Number of Channels TX 2	:	75 CHANNELS
Data Rate	:	Up to 500 kbps
Radio Range	:	Up to 30m direct in sight (OPEN AIR)*
Transmit Power	:	TX 1: 0dBm (max) TX 2: 10dBm (max)
Receiver Sensitivity	:	-90dBm (typical), PER = 1%
Voltage & Current	:	5Vdc, 200mA (max)

*** Note: The Radio Range distance may vary based on the environment conditions.**

1.2 Operating Specification

Power Source	:	External	:	From 5V DC Adaptor for PC and Other RS232 Device
	:	Internal	:	From SM780/SM880 scale power source.
Operating Temperature	:	0 °C to 40 °C		
Humidity	:	95% max non condensing		

2. Dimension



3. BS-02 Station Setup Diagram & Spec Setting For SM780/SM880

3.1 Setup Diagram

Note: All individual Base Station will have unique **Store ID**, and **Name**.

