

MEMO

TF-400

VER 102

RF INDICATOR

Remote Control by Wireless Serial Communication



5. GENERAL FUNCTIONS

Press the **ON/OFF KEY**. The scale & RF indicator will perform RF self-test on Weight Display and will be ready to RF communication.

(1) Zero function

Use to correct drifted zero value when the scale is unloaded, and motion is not detected.

This function works when **ZERO KEY** is pressed, and the **ZERO LAMP** is on.

(2) Setting tare weight function.

Press the **TARE KEY**. Then, the scale will memorize the weight of the tare and will display zero value '0'kg. The **TARE LAMP** will be on.

To escape this function, remove everything from the scale, and press the **TARE** or **ZERO KEYS**.

Then, the **TARE LAMP** will be off and this function is terminated.

(3) Hold function

Automatic hold function

- Press **HOLD KEY** when the scale is empty (Initial Zero State).
- The weight display will indicate **0H0n**. **HOLD LAMP** is on.
- After loading a thing, if the weight turns stable then, a display shows **-----** and average weight will appear.
- The weight of a loaded thing is displayed.
- To escape the automatic hold mode, when zero point is on, press **HOLD KEY**.

Then, the message of **0H0FF** is displayed and **HOLD LAMP** is off and normal weighing mode is reverted.

Manual hold function

- Press **HOLD KEY** loading a thing.
- This message of **Hold** is displayed and sequentially the message of **-----** is shown with appearing the average weight.
- The weight of a loaded thing is displayed.
- To escape the manual hold mode, remove everything from a hook, or press the **HOLD KEY**. Then, **HOLD LAMP** will be off and the scale changes from a hold mode to a normal mode.

3. TECHNICAL SPECIFICATIONS

◆ General specifications

Display	5 digit LCD (Height:10mm)
Enclosure	Engineering plastic
Battery	AA Type 1.5V*2
Battery life	General alkaline : Approx. 55h Duracell alkaline : Approx. 75h
Temperature	-10℃ ~ 40℃
Humidity	10 to 95% non-condensing
Keypad	6 keys
Assembly	Manual 1 EA, AA Battery 2 EA, Wrist Link 1 EA

◆ Wireless specification

RF frequency range	2400 ~ 2483.5 MHz
Output power	Under 10dBm
Channel width	2 MHz
Frequency offset	< ±30ppm
Transmit data rate	250Kbps,500Kbps
Receiver sensitivity	-99dBm (PER <1%)
Maximum input level	0dBm
RF In/out impedance	50 ohm (TXRF, RXRF)
Spurious(2nd harmonics)	< -30dBm
Radio link effective range	Approx. 100M (Open space)

◆ Dimensions



4. DISPLAY AND KEYS

DISPLAY	
	Light up when the weight to be in stable condition.
	Light up when current weight is minus.
	Light up when the low battery. In order to prevent a battery being overcharged, the sign is displayed. After about 2 hours later, power is automatically off. (It's subject to be changed according to the using condition.)
ZERO	Light up when current weight is 0 kg.
TARE	Light up when tare weight is stored.
HOLD	Light up when you press HOLD KEY to weight moving or alive.

KEYS	FUNCTION
	Use to turn on/off.
	Return the display to 0 kg.
	Use to weigh with tare weight.
	Use to weigh unstable things. (liquids, livestock, etc.)
	Use to add weights.
	Use to store current condition and clear sum weights

1. INTRODUCTION

This Service and Operation Manual are the specifications for our **TF-400**. The **TF-400** is the product of years of design, development, and in-field testing. This **TF-400** has been designed with reliability, under rigid quality control and with outstanding performance. This MANUAL included with basic technical information about composition of hardware and programmatic functions.

■ Precautions

Please be informed that we're not responsible for any incident or mishap caused by partial modification of this product. To avoid such situation, customers need to contact our customer service team or system installation staff in advance, and any modification should be conducted under our surveillance.

- ◆ Don't install the **TF-400** in direct sunlight.
- ◆ Avoid sudden temperature changes, vibration, wind, water, or excessive dirt.
- ◆ Avoid from the shock of excessive weight.
- ◆ Place the scale away from water.
- ◆ Use away from heavy R.F noise.

2. MAIN FEATURES




- ◆ Wireless communication : ZIGBEE
- ◆ Wireless interface with scale, indicator & platform
- ◆ Compact size design

6. SET MODE

(1) How to enter this mode

Press the **ON/OFF KEY** while pressing the **TARE KEY**.

(2) Keyboard

-  : Used to increase the setting constant one by one.
-  : Used to decrease the setting constant one by one.
-  : Used to save the setting constant changed and to move into normal mode.

(3) Menu

■ F01 : Power saving mode (00~99)

Value	Description
F1-00	Not used
F1-01	After 1 minutes, power off.
F1-99	After 99 minutes, power off.

※ This value is time of zero or wireless disconnected state.