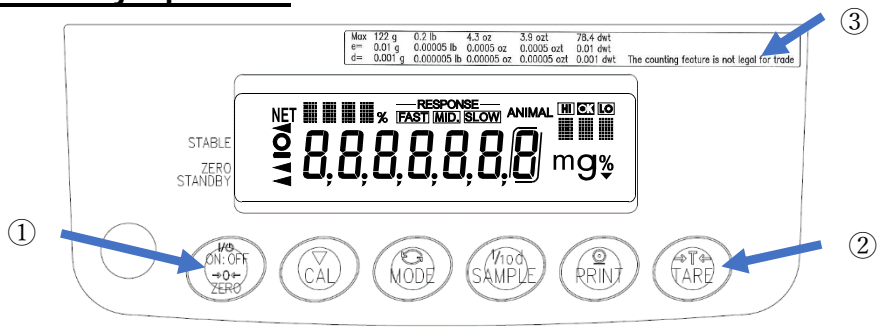
ADENDUM to FX-iN/FX-iWPN Legal For trade（LFT）Approved Models

Purchased FX-iN/FX-iWPN balances are LFT/Legal for Trade. These balances can be set following the regulations for the US and Canadian markets. However, there are some differences and limitations in comparison to the standard versions FX-i/FX-iWP balances, as detailed below.

Note: It is fully the responsibility of the purchaser to set up the balances, including calibration and sealing, in accordance with local weights and measures regulations.

1. Display and key Operation



General Key operation

For the **CAL, MODE, SAMPLE,** and **PRINT** keys, please refer to “4. DISPLAY SYMBOLS AND KEY OPERATION” of the standard instruction manual.

Key Operation for LFT Approved Model

① The **ON:OFF key** becomes the **ON:OFF/ZERO key**

When this key is pressed and hold for 2 seconds: The display turns ON/OFF.

When this key is pressed once: The display is zeroed out.

For the other functions of the **ON:OFF** key mentioned in the general instruction manual, please use the **ON:OFF /ZERO** key as the equivalent of the **ON:OFF** keys in the standard versions.

② The **RE-ZERO** key in the standard version becomes the **TARE** key on the legal for trade version.

When this key is pressed: The Tare value is registered/canceled.

For the other functions of the **RE-ZERO** key mentioned in the instruction manual, please use the **TARE** key.

③ **Front label**

The front label must be changed in accordance with the selected mode.

(Example: FX120iN)

This is purchasers’ responsibility

Max	122 g	0.2 lb	4.3 oz	3.9 ozt	78.4 dwt	
e=	0.01 g	0.00005 lb	0.0005 oz	0.0005 ozt	0.01 dwt	
d=	0.001 g	0.000005 lb	0.00005 oz	0.00005 ozt	0.001 dwt	The counting feature is not legal for trade

Default label (e=10d)

or

Max	122 g	0.2 lb	4.3 oz	3.9 ozt	78.4 dwt	
e=	0.01 g	0.00005 lb	0.0005 oz	0.0005 ozt	0.01 dwt	
d=	0.01 g	0.00005 lb	0.0005 oz	0.0005 ozt	0.01 dwt	The counting feature is not legal for trade

Label in the products’ box (e=d)

2. Mode selection

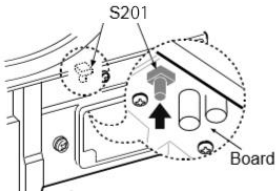
There are three selectable modes for the FX-iN/FX-iWPN versions in order to address US and Measurement Canada weighing regulatory requirements. In the US mode (=NTEP), e=10d or e=d can be selected. (Note: For NTEP, e=10d is the default setting.)

NTEP mode → e=10d or e=d
MEASUREMENT CANADA mode (MC)
A&D standard (ADE-STD) NON-LFT mode

2-1. Mode selection-Switch and keys

<MODE> 

<ON/OFF> 

<S201> 

<SAMPLE> 

<PRINT> 

<CAL> 

<TARE> 

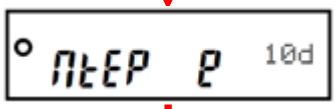
2-2. Mode selection procedure

Display: Off

Press and hold the <S201> switch and <MODE >key, and then press <ON/OFF>

←The set mode is displayed. (Note: NTEP, e=10d is the default setting)

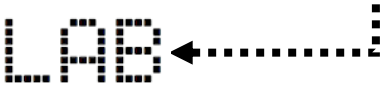
The display will allow for following mode selections, NTEP, MC, A&D standard.



Press and hold the <SAMPLE> key to toggle the selection

Press the <TARE> key select e=10d e=d

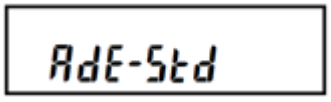
The warning on display indicates that the label has to be changed.
(For example, when e=10d is changed to e=d or opposite.)



Press the <PRINT> key to fix NTEP mode (→ End → Weighing mode)

Press and hold the <SAMPLE> key to toggle the selection

Press the <PRINT> key to fix MC mode (→ End → Weighing mode)



Press and hold the <SAMPLE> key to toggle the selection

ADE-STD: Please refer to the instruction manual for standard products.
Press the <PRINT> key to fix ADE-STD mode (→ End → Weighing mode)

3. Calibration

Calibration and sealing must be performed by weights and measures official, or an authorized service agent.

(1) Remove the sealing screws, sealing plate, blank panel and rubber packing. (See “Fig.1” for reference)

(2) Enter the weighing mode.

(3) Press and hold the calibration switch S201 (Refer to “Fig.2”), and press the CAL key on the front of the balance for a few seconds. The balance will display “Cal 0”.

(4) Perform the calibration per the instruction manual.

(5) After performing calibration, replace the rubber packing, blank panel, and sealing plate, then seal the balance. (Refer to “Fig.1”)

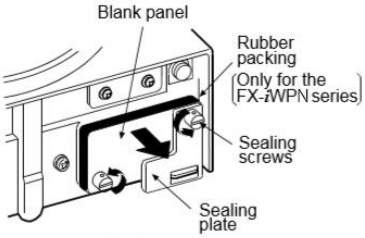


Fig.1

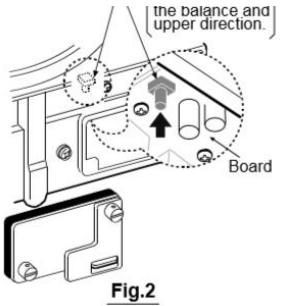


Fig.2

4. Sealing of FX-iN/FX-iWPN legal for trade approved models

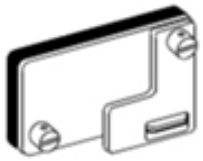


Fig 3

Once calibration following the instruction manual is completed, replace the blank plate (See “Fig.3”).

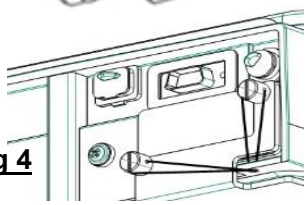


Fig 4

Once the sealing plate is installed, seal by threading wire through the eyelets of the round sealing knobs and through the eyelet at the base or bottom of the balance. (See”Fig.4”)

Important note:

The options, FXi-02,08 and 09 cannot be used at the same time.

The selected option should be installed into the balance before sealing.

5. Function switch

The settings for the LFT modes are shown below for reference.

FX-iN/FX-iWPN: A-0000**1**

- Function table: 1; To permit change
- Calibration using the internal mass: 0; No function
- Calibration using the external weight: 0; To inhibit (No change to 1)
- Automatic self-calibration: 0; No function
- Internal mass correction:0; No function

6. Function table (The differences and limitation from/on Standard)

Class	Item		Comments
Environment display	St-b Stability band width	Fixed/No change	
	Hold function	Fixed/No change	
	Zero tracking	Fixed/No change	
	Display at start	Selectable	e=10d
		NOT Selectable	e=d
Data output mode	Data output	4.Key mode B is not available	
Serial interface	Data format	Fixed/No change	
Internal mass value correction 1		NOT available	
Internal mass value correction 2		NOT available	

7. Specification 1: LFT modes

Item		NTEP	MC
e=10d/e=d		Selectable	e=10d fix
last digit		e=10d: ON e=d: OFF	ON
Counting		Min. 1d sample 10-25-50-100-5	Min. 1d sample 10-25-50-100-5
Unit	g/gram	○	○
	PCS/counting	○	○
	%/ percent	×	○
	OZ/Ounce	○	○
	Lb/Pound	○	×
	OZt/Troy ounce	○	×
	ct/Carat	○	×
	dwt/Penny weight	○	×
Operation Temp.		+10 to +30 ℃	

8. Specification 2: e=10d/e=d

Model		e = 10d				e = d	
Min. display at start		Selectable				NOT SELECTABLE	
		Display		NOT Display		Display	
Unit		0.001g model	0.01g model	0.001g model	0.01g model	0.001g model	0.01g model
g	Gram	0.00[1]	0.0[1]	0.01_	0.1_	0.01_	0.1_
OZ	Ounce	0.0000[5]	0.000[5]	0.0001_	0.001_	0.0005_	0.005_
Lb	Pound	0.00000[5]	0.0000[5]	0.00001_	0.0001_	0.00005_	0.0005_
OZt	Troy Ounce	0.0000[5]	0.000[5]	0.0001_	0.001_	0.0005_	0.005_
ct	M Crat	0.00[5]	0.0[5]	0.01_	0.1_	0.05_	0.5_
dwt	Pennyweight	0.00[1]	0.0[1]	0.01_	0.1_	0.01_	0.1_

_: Space