

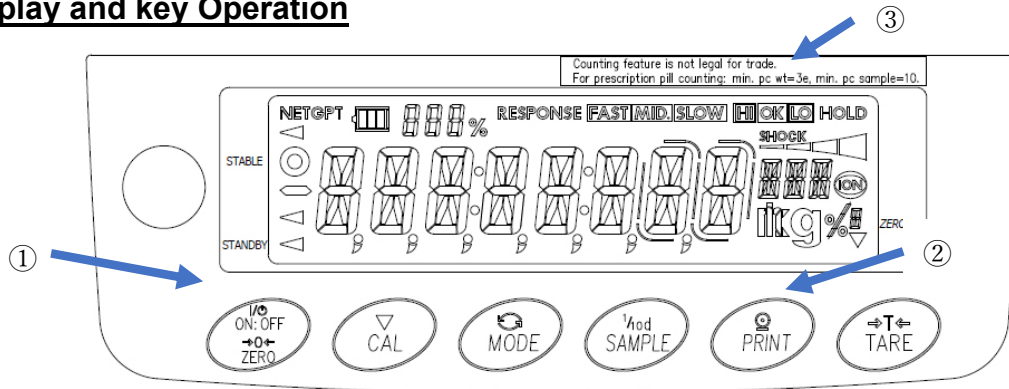


## ADENDUM to GF-AN Legal For Trade (LFT) Approved Models

Purchased GF-AN balances are LFT/Legal for Trade. The balances can be set following the regulations for the US and Canadian markets. However, there are some differences and limitations in comparison to Standard versions GF-A 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 the Quick Start Guide, included in the products' box or GF-A series instruction manual can be downloaded from our web site: <https://www.aandd.jp/>

#### Key Operation for LFT Approved Model

##### ① **ON:OFF key will appear as ON:OFF/ZERO key**

Press and hold this key for 2 seconds: It turns the display ON/OFF.

Press this key once: It zero's out the display

For other functions of the ON:OFF key mentioned in the Quick Start Guide or GF-A series instruction manual general instruction manual, please use the ON:OFF /ZERO key as the equivalent ON:OFF in a STANDARD versions.

##### ② **RE-ZERO key in a STANDARD version is changed to TARE key AN legal for trade version**

Press the key: Register/cancel Tare value.

For other functions of the RE-ZERO key mentioned in the instruction manual: Please use the TARE key

##### ③ **Supplementary label is required by weight and measure marking for counting features in pharmacy applications. Applies when P mode selected.**

### 2. Mode selection

There are several selectable modes in AN LFT versions to address US NTEP, Pharmacy and Measurement Canadian weighing regulatory requirements.

(A) NTEP → NTEP-N for non-pharmacy applications

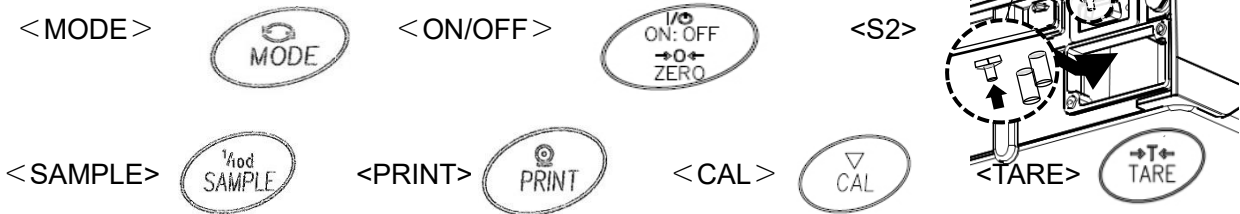
OR → NTEP-P for pharmacy for prescription/pilling counting

THEN e=10d OR e=d Note: NTEP-N/e=10d is the default setting.

(B ) MEASUREMENT CANADA (MC)

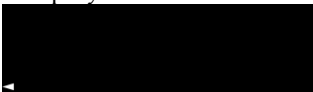
(C ) A&D STANDARD (ADE-STD) NON-LFT MODE

2-1. Mode selection - switch and keys/buttons



2-2 Selection procedure

Display: Off



Press and hold the <S2> switch and <MODE> key, and then press <ON/OFF> key



←Then present mode displays. Note: NTEP-N/e=10d (Default setting)  
The display will allow for following mode selections, NTEP, MC, A&D STANDARD.

Press<MODE> key to select NTEP-N or -P for pharmacy applications.



Press <TARE> key to select e=10d or e=d



Warning on display indicates.

"LAb" is displayed. (See 3., next page)



Press and hold the <SAMPLE> key to toggle

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



Press and hold the <SAMPLE> key to toggle

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



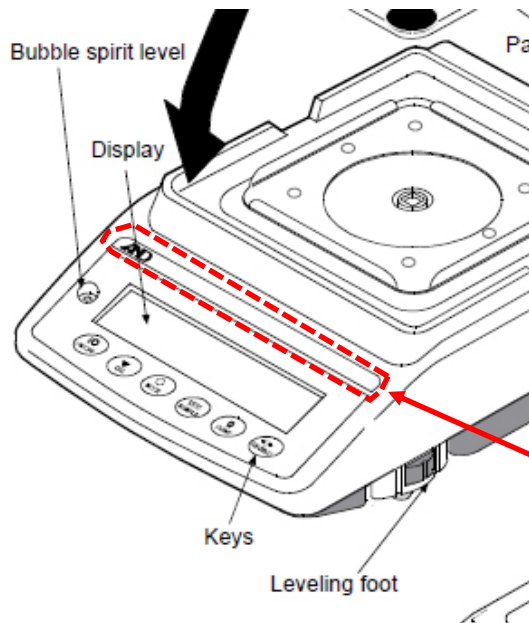
Press and hold the <SAMPLE> key to toggle

Press the <PRINT> key to fix A&D Standard mode → End → Weighing  
Please refer to standard instruction manual for further detail about the A&D standard.

Note: Please refer to “9. Specification 2 e=10d/e=d” for how selected display looks.

### 3. Replacing the required label

Replacement of the required label to follow the regulations of each region is the purchasers' responsibility, in addition to calibration and sealing. (The required label is packed within the box of the product.)



(A) e=10d: Comes standard on device

AND GF-603AN Max 620g e=0.01g d=0.001g

Or (B) e=d: Included in the box

AND GF-603AN Max 620g e=0.01g d=0.01g

(Drawings of the label are for reference purposes only.)

### 4. Calibration

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

In the box comes an extra L shaped sealing plate with screws.

Method

- (1) Remove the blank stainless-steel face plate located on back Lower right-hand corner of the balance.  
(See “Fig.1” for reference)
- (2) Enter the weighing mode.
- (3) Press and hold the calibration switch S2 (Refer to “Fig.2”), for a few seconds. The balance will display “Cal 0”.
- (4) Perform calibration per –Reference- at the end of this addendum.
- (5) After performing calibration, replace the rubber packing, blank panel, and sealing plate, then seal the balance mechanically.  
(Refer to “Fig.1” and “Fig.2”)

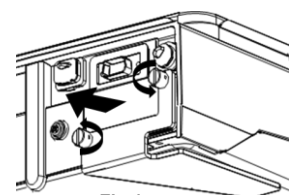


Fig.1

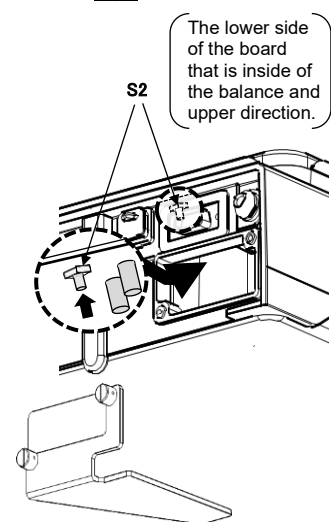
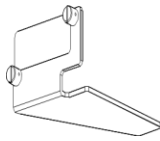


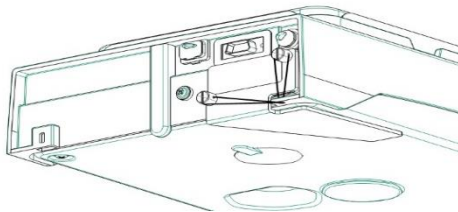
Fig.2

## 5. Sealing of AN legal for trade approved models



**Fig.3**

Once calibration per instruction manual is complete then replace the blank plate with L shape sealing plate with sealing screws (Refer to Fig.3).



**Fig.4**

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

### Important note:

A selection of option is GXA-03 or GXA-04 and selected option must be installed before sealing.

## 6. Function switch

Below is setting for LFT modes for your reference.

GF-AN: A-00001	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
GX-AN: A-00001	Function table: 1; To permit change
↑	Calibration using the internal mass: 1; To permit
↑	Calibration using the external weight: 0; To inhibit (No change to 1)
↑	Automatic self-calibration: 0; To inhibit (No change to 1)
↑	Internal mass correction: 0; To inhibit (No change to 1)

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

Class	Item		Comments
Environment Display	Condition	Fixed/No change	
	St-b Stability band width	Fixed/No change	
	Hold function	NOT available	
	Zero tracking	Fixed/No change	
	Readability	Fixed/No change	e=10d: display e=d: No display
	Stores tare value	NOT available	
Data output	Data memory	NOT available	
	Data format	DP format/Fixed Header changed	No stable/unstable header
		G+1.06[2] g	Gross data stable
		N+1.06[2] g	Net data stable
Application function	Application mode	Gross, Net, Tare/Fixed	
Min. Weighing Warming function		NOT available	
Specific gravity measuring function		NOT available	
Data output mode		Key mode/Fixed	
USB data format		DP format/Fixed Header changed	No stable/unstable header

## 8. Specification 1: LFT modes

Item		NTEP-N	NTEP-P	MC
e=10d/e=d		Selectable	Selectable	e=10d fix
last digit		e=10d: ON e=d: OFF	e=10d: ON e=d: OFF	ON
Counting		Min. 1d sample 10-25-50-100-5	min 3e sample 10-25-50-100-10	Min. 1d sample 10-25-50-100-5
Unit	g/Gram	○	○	○
	Counting	○	○	○
	%/ Percent	×	×	○
	OZ/Ounce	○	○	○
	lb/Pound	○	○	×
	LO/Pound/Ounce	×	×	×
	OZT/Troy Ounce	○	○	×
	ct/Metric Carat	○	○	×
	Mom/Momme	×	×	×
	dwt/Penny weight	×	×	×
	GN/Grain	Not available in 0.1g model	Not available in 0.1g model	×
	DS/Density	×	×	×
	MLT/Programmable	×	×	×
Operation Temp.		+10 to +30 °C		

## 9. Specification 2: e=10d/e=d

Model		e = 10d						e = d		
Min. display at start		Selectable						NOT Selectable		
Unit		Display			NOT Display			Display		
		0.001g model	0.01g model	0.1g model	0.001g model	0.01g model	0.1g model	0.001g model	0.01g model	0.1g model
g	Gram	0.00[1]	0.0[1]	0.[1]	0.01	0.1	1	0.01	0.1	1
OZ	Ounce	0.0000[5]	0.000[5]	0.00[5]	0.0001	0.001	0.01	0.0005	0.005	0.05
lb	Pound	0.00000[5]	0.0000[5]	0.000[5]	0.00001	0.0001	0.001	0.00005	0.0005	0.005
OZT	Troy Ounce	0.0000[5]	0.000[5]	0.00[5]	0.0001	0.001	0.01	0.0005	0.005	0.05
ct	Metric Carat	0.00[5]	0.0[5]	0.[5]	0.01	0.1	1	0.05	0.5	5
GN	Grain	0.0[2]	0.[2]	Not available	0.1	1	Not available	0.2	2	Not available

- : Space

# -Reference-

## 7-4. Calibration Using An External Weight

This function calibrates the balance using an external weight.

1. Connect the AC adapter and warm up the balance for at least 30 minutes with nothing on the weighing pan.
2. Press and hold the **[CAL]** key for 2 seconds until **[CAL out]** is displayed, then release the key.
3. Make sure that nothing is on the weighing pan and press the **[PRINT]** key to weigh the zero point.  
Do not apply vibration, etc.
4. Place the external weight on the weighing pan and press the **[PRINT]** key. Do not apply vibration etc.
5. Remove the external weight from the weighing pan.
6. After calibration, if GLP output is set, "sensitivity adjustment execution record" is output or stored in data memory.
7. The display automatically returns to weighing display.
8. Place the external weight again and check that the set value is  $\pm 2$  digits.  
If it is out of range, pay attention to the surrounding environment and start from "1".

