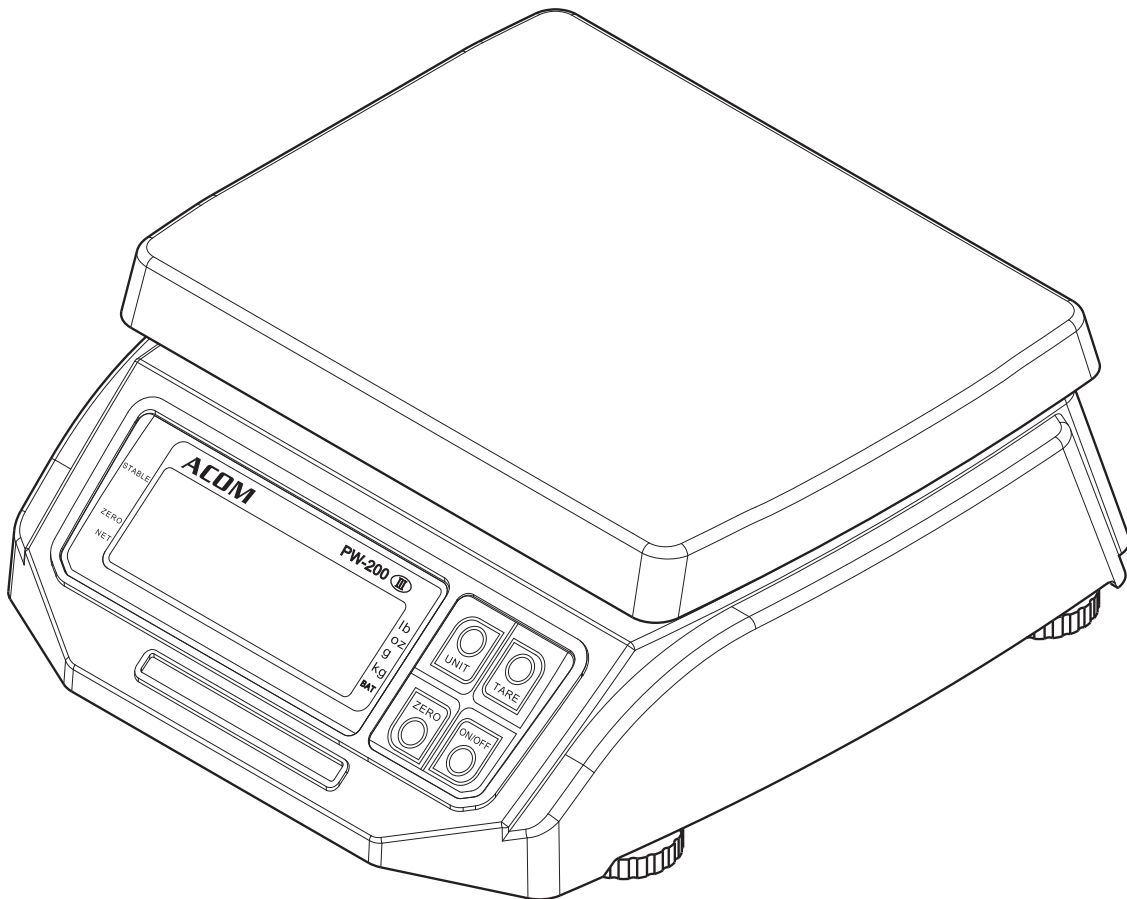# Operating manual

## Model : PW-200

US V1.0

**ACOM**
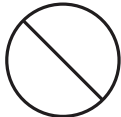
# PRECAUTIONS

Please be aware before use the scales to avoid any danger and damages.

* Object can be modified without notice

● Extreme caution

| ⚠ | Might can get serious damage. |
|---|---|

● Content of sign

| Prohibition | Never do. |
|---|---|
| (no disassemble) | Disassemble is not allowed. |
| ❗ | Must follow the steps |

⚠ Warning

| Make the buble position to the middle of level guage. ❗ | Avoid any liquid which including thinner or alcohol when clean up the scale. Prohibition |
|---|---|
| level O X | Alcohol thinner O X |
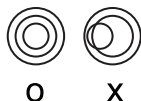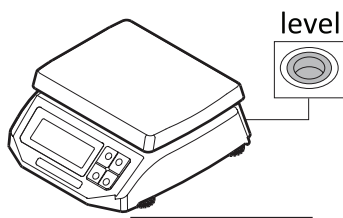
● Please keep the follow things.

## ⚠ Extreme cautions

Be careful not to damage the power cable.
(Can bring electric shock or fire)
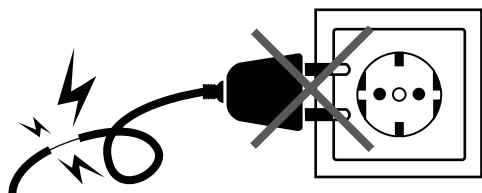
Do not convert by your self.
(Scale can be damaged)

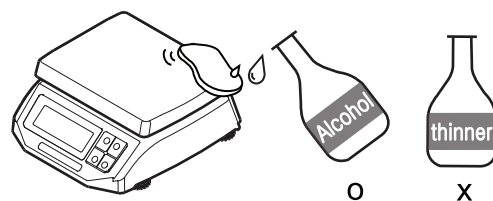Do not touch the switch with wet hands.
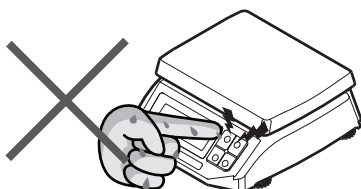
Make sure not to get wet.
(May can be the reasons for electrick shock, and scale damaged.)
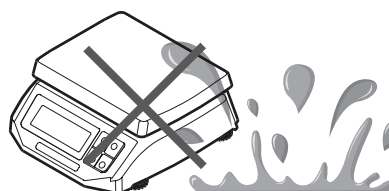
## ⚠ Cautions

Place the scale where wind free and bibration free.
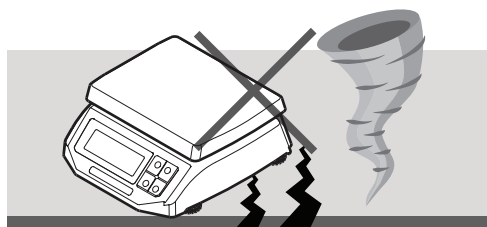
Place the scale where direct -light free.

Place the scale for from high electric wave.

Please avoid to give sudden impact on the scale tray.

# Preface

Acom Inc. would like to thank you for purchasing ACOM product model name PW-200 simple weighing scale. We are committed to create the high quality and low maintenance required products to supply ACOM customers with diligent customer services.

# Specification

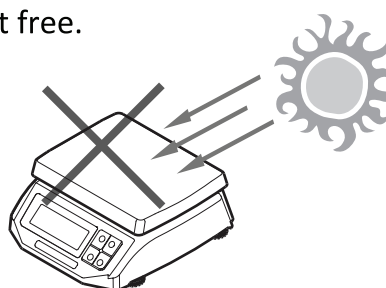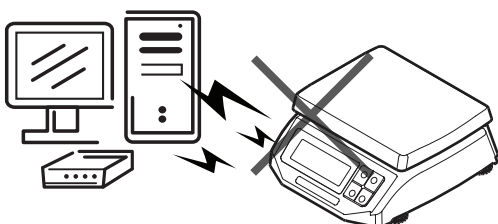| Model | PW-200(6) | PW-200(15) | PW-200(30) | PW-200(60) |
|---|---|---|---|---|
| Maximum capacity | 6 lb | 15 lb | 30 lb | 60 lb |
| Minimum graduation | 0.002 lb | 0.005 lb | 0.01 lb | 0.02 lb |
| Maximum tare weight | - 6 lb | - 15 lb | - 30 lb | - 60 lb |
| Auxiliary Capacities | 96 x 0.05 oz<br>3,000 x 1 g<br>3 x 0.001 kg | 240 x 0.1 oz<br>6,000 x 2 g<br>6 x 0.002 kg | 480 x 0.2 oz<br>15,000 x 5 g<br>15 x 0.005 kg | 960 x 0.5 oz<br>30,000 x 10 g<br>30 x 0.01 kg |
| A/D conversion speed | 10 Updates / SEC | | | |
| Internal resolution | 1 / 60,000 | | | |
| Display type | LCD display | | | |
| Power source | D size battery 1.5V x 4EA(6V) , 9V/300mA DC Adaptor | | | |
| Operating time | Alkaline Battery : 2500 hr | | | |
| Operating temp | -10°C ~ 40°C / 14°F ~ 104°F | | | |
| Keys | UNIT, TARE, ZERO, ON/OFF | | | |
| Communication | RS-232C | | | |
| Power consumption | 0.05 Watt | | | |
| Stainless weighing pan (in/mm) | (W)11.81 x (D)10.43 / (W)300 x (D)265 | | | |
| Product size (in/mm) | (W)9.64 x (D)10.86 x (H)4.33 / (W)245 x (D)276 x (H)110 | | | |
| Product weight | 5.51 lbs / 2.5 kg | | | |
| Option | RS-232C interface , Customer(Rear) Display | | | |

# Installation and precaution

※ PLACE THE SCALE ON THE FLAT AND RIGID SITE WHERE FREE OF VIBRATIONS.
※ PLEASE AVOID THE RADIO DEVICES WHICH EMITS STRONG ELECTROMAGNETIC FIELDS NEAR BY TO INSTALL.
※ DO NOT APPLY SUDDEN IMPACT ONTO THE WEIGHING PAN.
※ DO NOT SPILL THE WATER TO THE SCALE.
※ DO NOT USE CLEANERS INCLUDE SOLVENT OR SINNER.
※ THIS PRODUCT HAVE TO GET THE PERIODIC INSPECTION OBLIGATORILY, PLEASE MAKE A PROOFREADING PERIODICALLY.

# Name for each parts

Platter

Level

Display

Key

Adjuster

Adaptor

RS-232C

Battery
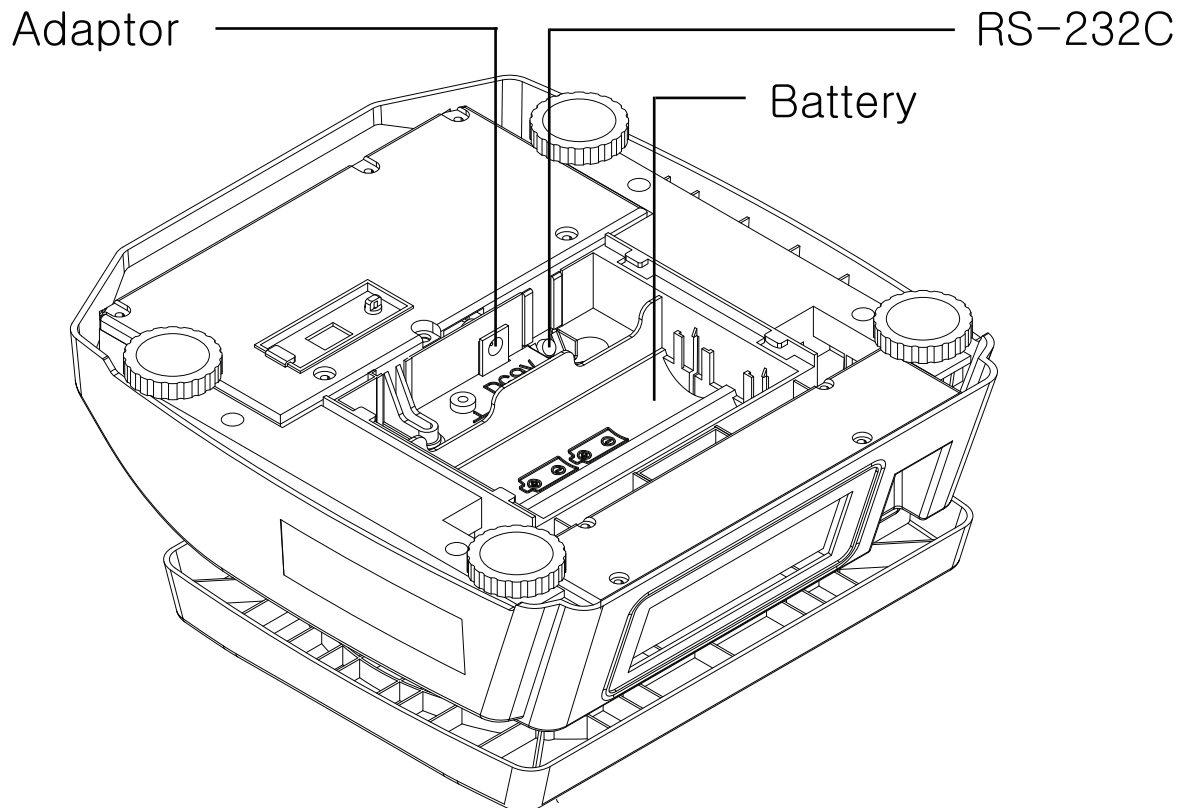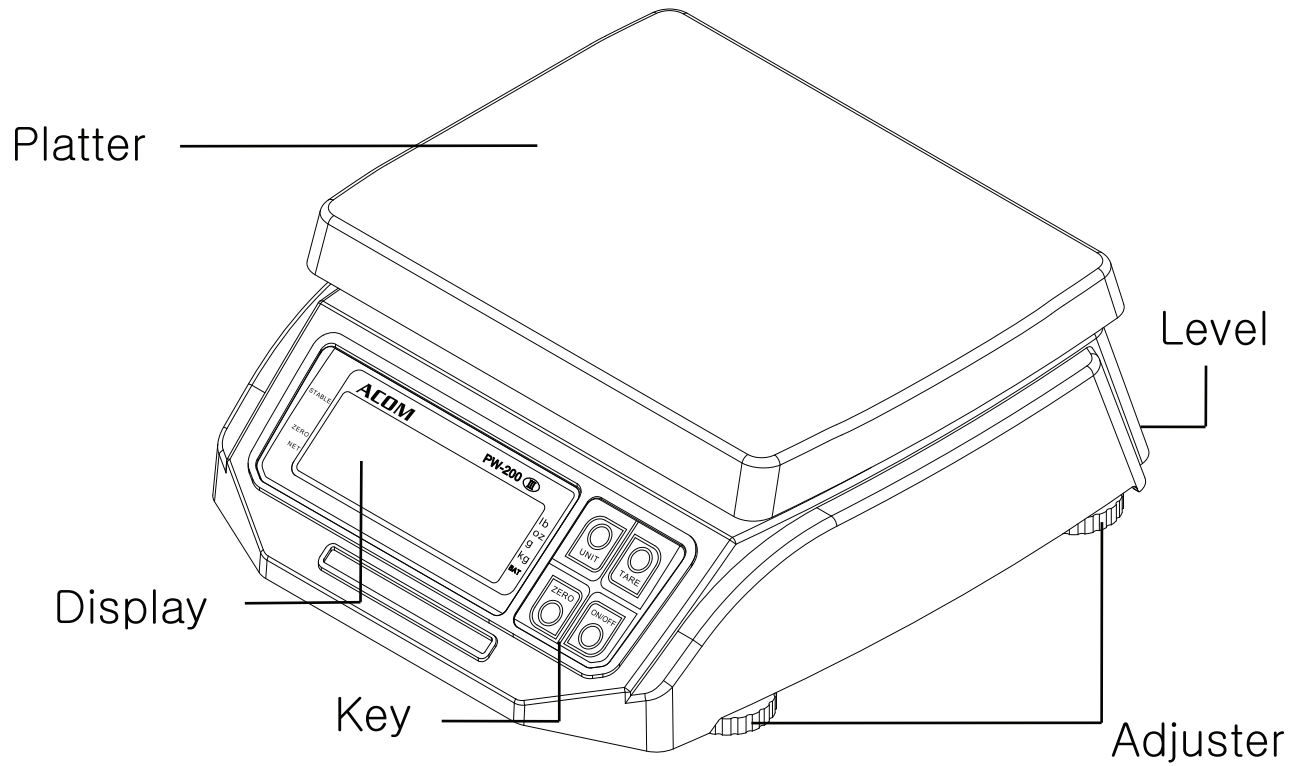
# Key & Function

※ DISPLAY & KEYBOARD
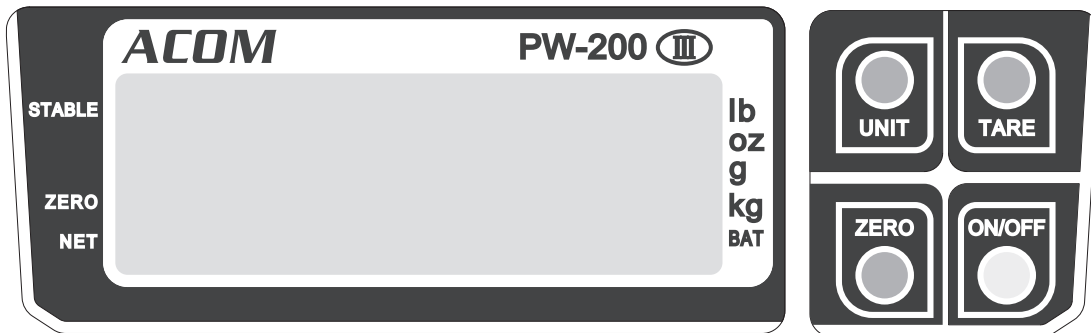


※ FUNCTION

 Power : ON/OFF

 UNIT : This key is used to convert the unit of weight
lb → oz → g → kg → lb

 This key is used to set the tare or delete the tare
*Tare = A container

 This key is used to correct the weight to zero

# The designators

| Designators | Meaning |
|---|---|
| ZERO | It desigates the weight is zero |
| STABLE | It designates the weight is stable |
| NET | It designates the tare set |
| Bat | It designates when the battery need to be changed |
| lb | It designates unit of weight is pound |
| oz | It designates unit of weight is ounce |
| g | It designates unit of weight is gram |
| kg | It designates unit of weight is kilogram |

# How to use

## 1. General weighing

Please check the designators that "ZERO" and "STABLE" before weighing
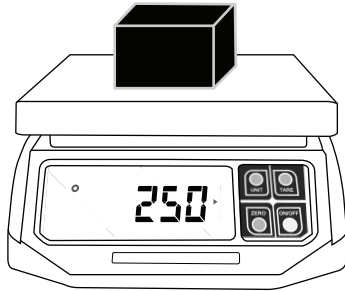
① Put the goods on the weighing pan
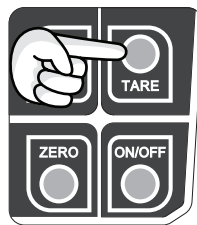② Read the correct value after the
   "STABLE" sign turned on
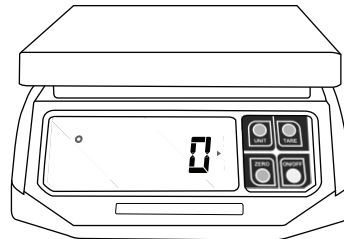
③ Remove the goods on the weighing pan

## 2. Weighing with TARE function

① Place the tare on the weighing pan

② Press the "TARE" key, then weight will be "0" and the designator NET will be turened on
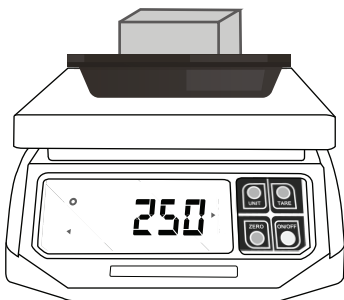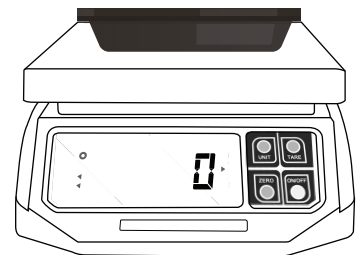
③ Put the goods on the tare
   (A container)
   Read the correct value after the
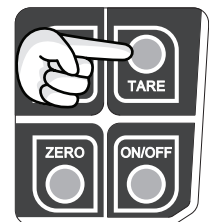   "STABLE" sign turned on
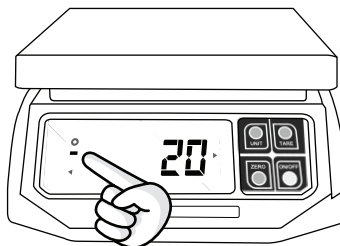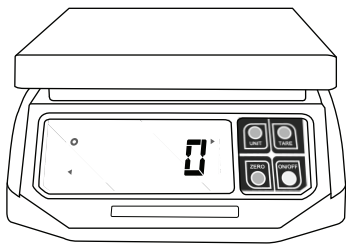
④ Remove the tare(A container) and goods, then the display will show the weight of the tare with " - " sign

⑤ If you do not want to use the tare then press "TARE" key then the sign of tare will be turned off

## 3. Converting unit of weight

You can select one of lb, oz, g and kg by "UNIT" key.  (Defulat setting is lb)



① Turn on the scale
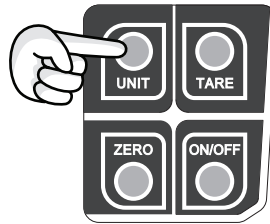
② Press "UNIT" key
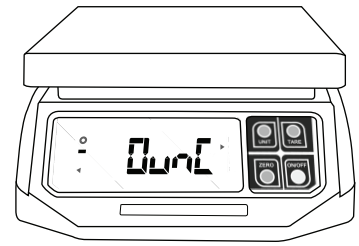
③ Display shows lb, oz, g and kg, please select by "UNIT" key

- Display -

lb :  Lb          oz :  OunC          g :  GrAn          kg :  KiLo

* A current unit  of weight is saved automatically into the memory.

## 4. Error table

| ERROR | Meaning | Solution | |
|-------|---------|----------|---|
| Zero | Zero initializing failure | Remove the weight on the weighing pan then restart the scale | Otherwise, call the service |
| EEP | Memory IC error of the circuit | Call the service | |
| AdC | Analogue circuit error | Call the service | |
| PArA | Memory loading failure | Call the service | |

How to set the user parameter
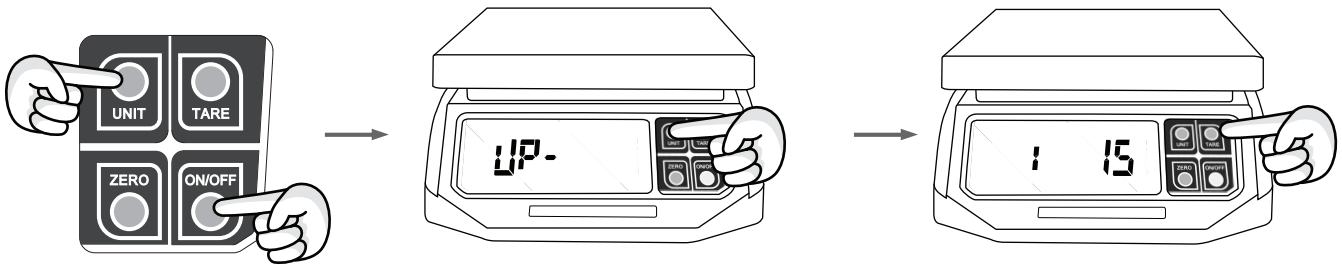
① Turn on the scale while "UNIT" key is being pressed.

② Press "UNIT" key.

③ In this mode, "UNIT" key acts as Enter, "TARE" key acts as Inc(Increament), "ZERO" key acts as Shift.

## 1. Display, Function

|       | Value | Function explanation |
|-------|-------|----------------------|
| UP-1  | 05    | Count down → battery voltage → weighing mode |
|       | 25    | Count down → weighing mode |

## 2. Off time

|       | Value | Function explanation | Value | Function explanation |
|-------|-------|----------------------|-------|----------------------|
| UP-2  | x0    | No off               | x5    | 5 min                |
|       | x1    | 15 sec               | x6    | 10 min               |
|       | x2    | 30 sec               | x7    | 20 min               |
|       | x3    | 1 min                | x8    | 30 min               |
|       | x4    | 2 min                |       |                      |

## 3. RS-232C mode

|       | Value | Function explanation |
|-------|-------|----------------------|
| UP-3  | 21    | Hand shake mode, Baudrate : 9600 bps (default setting) |
|       | 01    | Stream mode at stable, Baudrate : 9600 bps |
|       | 11    | Stream mode at every A/D conversion, Baudrate : 9600 bps |

4. RS-232C protocols 0~6, Contact your dealer for more information.

**ACOM**

# PW-200 Calibration Manual

Span calibration

*CAL switch is located underneath of body.

Span Setting

1. Press "ON/OFF" key while CAL switch is being pressed

ZEro

2. Press "Unit"(Yes) key four times until the scale displays

rEAd

The display will then quickly turn to
FULL

3. Span calibration

Press "Unit"(YES) key, "STABLE" designator will be on

Place the full load (max capacity) on the platter

Press "Unit"(YES) key, "STABLE" designator will be on

Span calibration is finished.

End   tESt

Email: GoUSApos@gmail.com, C Phone:201. 679. 7793



**Press this button when turning on the scale to begin calibration.**