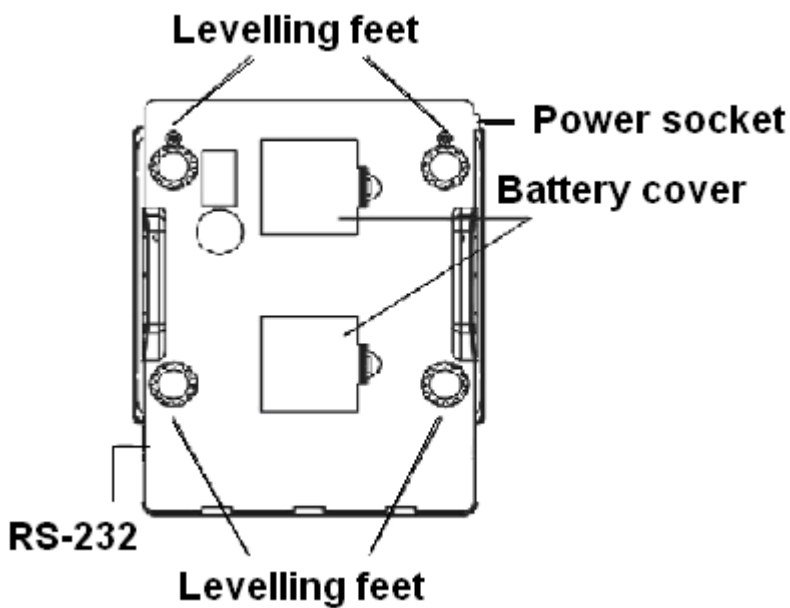# User's Manual NWTH

Features

- High resolution in 1/10,000~1/20,000
- Multiple weighing units including:
  kg / g / lb.oz
- Net/Gross weight display
- Auto shut off for power saving
- Simple counting function
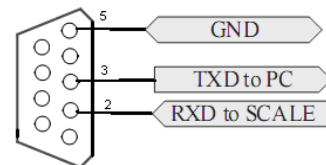- Powered by 4 C-size batteries or AC adapter

Precaution

1. Place the scale on a flat and stable surface and install the weighing pan properly.
2. Do not operate the scale in hostile environments.
3. Avoid sudden temperature changes (suitable operating temperature is between -10℃~ 40℃.)
4. Do not drop loads on the platform.
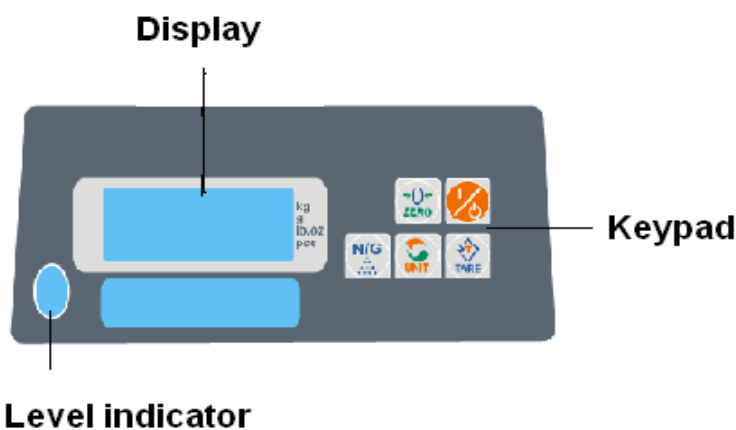5. Do not immerse the scale in water or other liquids.

Rear Housing

Levelling feet
Power socket
Battery cover
RS-232
Levelling feet

RS-232 Connector

5 GND
3 TXD to PC
2 RXD to SCALE

Output format

G.W.:	+	0.6250 kg
T.W.:	+	0.1250 kg
N.W.:	+	0.5000 kg

Front panel

Display
Keypad
Level indicator

Leveling the scale

The scale is equipped with a Leveler at the front panel .Adjust the leveling feet until the air bubble in the indicator is centered as shown.

Connecting Power

1. Battery installation

Remove battery cover and install the 4 C-size batteries into the battery chambers making sure that the batteries are properly orientated. The negative battery terminals should face the spring contacts .

2. Connecting AC power

Plug the 6V AC adapter into the adapter jack and connect to a convenient power outlet.

Alkaline cell life: about 260 hours with backlight, about 160 hours without backlight.

Keypad and display

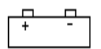 Turns the scale ON/OFF

 Sets display to zero

 Tares weight of item on pan

 Steps through active units

 Toggles between net /gross weight

 Low battery indicator.

TARE   Tare lamp turns on indicating the container on the weighing pan has been tared.

ZERO   Zero lamp turns on indicating the scale is in zero mode.

kg、 g、 lb.oz、pcs   units of measurement

Simple Counting

1.   Press to select the unit "PCS".

2.   Press to choose the sampling amount .Available options are "$5=10$(10 pieces), $5=20$(2 pieces), $5=50$(50 pieces), and $5=100$(100 pieces).

3. Put the corresponding samples on the weighing pan, then press [UNIT] .

"CAL" is displayed momentarily before the display reverts to the sample size. Remove the samples and put the load on, the scale begins to count.

4. To return to normal weighing mode, press [UNIT] to select the proper weighing unit.

NOTE:

◎ The larger the sample size, the more accurate unit weight.

◎ The sampling result is retained when the unit is turned on.

Setting mode

1. Press and hold [ZERO] while turning on the scale. Do not release [ZERO] till the OFFSET value is displayed.

2. Press [UNIT], the screen displays "$OFFSEt$"

3. Press [N/G] to step through available settings

4. Press [UNIT] to initial the displayed setting, and then press [N/G] to step through internal parameters.

5. Press [UNIT] to save the setting, press [TARE] to exit without saving.

6. Press key [ZERO] to save the settings and back to the weighing mode.

Description of Parameter Values

$LiGHt$ Set the activation mode of backlight. Options are Auto=Auto on with items greater than 9d placed on the weighing pan, ON = Backlight on and OFF=Backlight off.

$AUoFF$ Set the period of inactivity before the scale automatically turns off. Options are NO=non power-off, 5, 10 and 15(minutes).

$PEri$ Set the desired external devices. Options are PC, GODEX, BIRCH, ZEBRA and DMP.

Note: DMP refers to dot matrix printer. eg. TP, SH-24

The default print mode is stable print.(Stable print=the scale will print out data when the display is stable, remove the items before the next record can be printed out .)

$rESEt$ Scale initialization.

Calibration Procedure

1. Press and hold [→O← ZERO] while turning on the scale. Do not release [→O← ZERO] till the OFFSET value is displayed.

2. Press [→O← ZERO], after the appearance of "Zero", the first required calibration weight is displayed.

3. Place the corresponding calibration weight on the pan.

4. Press [→O← ZERO] to proceed calibration, with a "*CAL*" displayed on the screen.

5. When the second required calibration weight is displayed, put on the corresponding calibration weight on the pan

6. Press [→O← ZERO] to proceed calibration, with a "*CAL*" displayed on the screen.

7. The calibration procedure is completed with a "*PASS*" displayed on the screen, now remove the weights.

8. Press [→T↓ TARE] to return to normal weighing mode.

Troubleshooting and error message

Error Message	Trouble shooting
oUt ?	1. Confirm that there is nothing on the weighing platform and reboot the scale. 2. LOAD CELL failure, please contact our Service.
HHHHHLLLLL	1. PCB or Load cell is defective, please contact our Service.
ErrE	Reboot the scale.
UnSt	1. Confirm that there is nothing on the weighing platform and reboot the scale. 2. Batteries are weak, replacement is required.
EEEEE	Overload condition or the total count value is beyond the scope of window display
ErrC	Incorrect calibration weights, recalibrate the scale or contact our Service.