
【 NWT 】 --- OIML & EC Type Approved

INSTALLATION & PRECAUTION

Environment

This scale should always be used in an environment which is free from excessive air currents, corrosives, vibration and temperature / humidity extremes. These factors will affect displayed weight readings.

Before starting the operation of the scale, please read the following instructions and operate the scale properly.

DO NOT (install the scale):

- next to open windows / doors causing drafts, rapid temperature changes or under direct sunshine.
- near air conditioning or heat vents.
- near vibrating, rotating or reciprocating equipment.
- near magnetic fields or equipment that generates magnetic fields.
on an un-level work surface.
- either drop anything down on the weight pan, jump onto the pan or drop down the scale. Such shocks may cause inaccurate weight and / or damages on the scale.
- Separate the inside parts. It may cause troubles on the scale.
- apply strong solvent such as benzene and thinner for cleaning either display panel or window.

It could be dangerous by using improper battery or wrong connection of battery.

Always:

- operate the scale within the temperature ranging from -5°C to 35°C . Operations out of this range may obtain inaccurate weight readings.
- Use AC power regulator to stabilize the power supply if the local electricity supply fluctuates by more than $\pm 10\%$. (if AC/DC adaptor is adopted)
- **Unpack Battery**
The 4 size-C batteries (UM-2/ R14) are put in the insulated plastic enclosure. Peel off the enclosure and install 2 units in each compartment underneath the base.
- **Leveling the scale**
Adjust the leveling feet until the bubble appears in the center circle of the level indicator in the bottom left side of the front panel.
- **Weighing pan**
The pan is equipped with 4 equal-distance supporting feet and can be inserted into the supporting plate in either direction.

Max. Capacity & increment

NWT-3K	Max. 3kg , d=0.001kg
NWT-6K	Max. 6kg, d=0.002kg
NWT-15K	Max. 15kg , d=0.005kg

DEFINITION OF OPERATION KEYS



: This key switches the machine between power on and off modes. The scale can't be returned to normal weighing mode after switch on if the load placed on the pan before switch on is larger than 20 % of the scale's rated max. capacity.




: This key returns the display to the center of ZERO when the pan is empty. The ZERO range is within $\pm 2\%$ of the max. capacity. A ZERO sign will be shown in the bottom-left side of the display window when the scale is stable in the zero range.



: This key stores the TARE weight into memory and ZERO's of the display. The max. TARE value is the scale's max. capacity. An indicator pointing "Net" will be lighted up when the scale is in the TARE mode.

POWER

- **Alkaline batteries are suggested to adopt for min. 500 hour operation.**
- **Low Battery Power indication**
A battery sign  link to indicate the need to replace the batteries when the battery power is low. The scale still can operate continuously for approx. 30 hours since the battery sign starts blinking. Replace the batteries within this period. Otherwise the scale will not work properly.
- **Automatic Power Off**
This scale has been preset to turn the power off automatically after there is no load on the pan and it has been stable at **ZERO** position for about **15** minutes.
- **Note : Do not** mix old (low power) batteries with new ones. This will affect stability of the scale. Please replace all these 4 batteries at all times.

Error Messages

Error Messages Shown	Error Status
Err	Weighted value is over the internal designated upper limit, the reference ZERO is too high.
-Err	Weighted value is below the internal designated lower limit and/or the offset value is lower than zero.
AdErr	Malfunction in A/D conversion and/or the AD IC.
Eerr	Malfunction in parameters memory storage and/or the EEPROM IC.
UnSt	The scale is at unstable state.
-----	The weight load is over the maximum indication, that is, Max. Capacity + 9e.

OPTIONS

- AC/DC adaptor (output DC 6V, 300ma)

Specifications

	NWT-3K	NWT-6K	NWT-15K
Max. Capacity	3kg	6kg	15kg
Min. Capacity	20g	40g	100g
Division	1/3000		
Resolution (e)	1g	2g	5g
Accuracy Class	III		
Pan Dimension	210W × 190D mm		
Display	7-segment LCD, 7(W) × 14(H) mm		
Max. Indication	Max. Capacity + 9e		
Tare (subtractive)	Max. Capacity + 9e		
Power Supply	UM-2 alkaline battery × 4		
Operating Temp.	-5 ~ 35		
Storage Temp.	-10 ~ 70		
Physical Dimension	210(W) × 270(D) × 100(H) mm		
Net Weight	Approx. 1.6kg (excluding batteries)		
Option	AC/DC adapter, 6V DC 300mA		

* Specifications are subjects to change without notice.