HANGING PRICE SCALE **PCX**

User Manual

v.201811

Content

Please read this manual carefully before using.

Rev.B

1. Safety Guide

For good performance and precise measurement, be careful with daily operation and maintenance.

- ⓘ Do NOT overload scale. This will damage loadcell and void warranty.
- ⓘ Do NOT leave load hung on the scale for long. This will decrease scale's accuracy and shorten loadcell's life.
- ⓘ Check battery frequently. When scale runs out of power, charge battery with its dedicated charger or replace it with a full one.
- ⓘ Do NOT use scale under thunder or rain.
- ⓘ Hang scale on shelf in dry and well-ventilated room. Do NOT place scale on the ground directly.
- ⓘ Do NOT attempt to repair scale yourself. Contact your local representative.

2. Features

This scale is a combination of sound and proven mechanical design, with today's most advanced electronics to provide a superb feature set. It is versatile, reliable, accurate and easy to operate.

- ☑ **Superb Quality**. Strictly in accordance with OIML R76, Chinese GB/T11883-2002 national standards, and European CE directives.
- ☑ **Strong Reliability**. Cutting-edge technology, quality integrated circuit for high performance and long time stability.
- ☑ **Broad Applicability**. Popular and applicable in storage, market and so forth.

☑ **Easy to Use**. Wireless remote controlling design. Easy to operate the scale in distance.

☑ **Complete Function**. Division switch, unit conversion, automatic power save, battery inspection, idle mode, etc.

3. Specifications

Accuracy Class	Chinese GB/T 11883-2002 Class III Equivalent to OIML R76
Safety Load	120%F.S.
Ultimate Load	400%F.S.
Tare Range	100% F.S.
Auto Zero Range	±20% F.S.
Manual Zero Range	±4% F.S.
Stable Time	≤10sec
Overload	100% F.S. + 9e
Remote Battery	3 * AA carbon or alkaline battery
Remote Battery Life	120 ~ 140 days (alkaline battery)
Scale Battery	6V/3.2Ah lead acid battery.
Scale Battery Life	>150 hours (backlight off) >26 hours (backlight level 3, no idle) >14 hours (backlight level 5, no idle)
Charger	Input: AC220V/110V Output: DC9V/500mA
Charging Time	12~14 hours
Op. Temp.	-10℃ ~ +40℃
Op. Humidity	20℃ ≤90%
Display	22mm STN LCD

4. Capacity

modal	max. cap.	min. cap.	resolution	division
PCX30	30kg	0.2kg	0.01kg	3,000
PCX15	15kg	0.1kg	0.005kg	3,000
PCX6	6kg	0.04kg	0.002kg	3,000

5. Remote Control

Key	Name	Function
	[MEMORY]	Followed with number 0~9, to save current price into memory unit.
	[ZERO]	Zero scale.
	[PRICE]	Followed with number 0~9, to load unit price from memory unit.
	[UNIT]	Switch unit between kg and lb.
	[HOLD]	Lock/unlock weight reading.
	[2ND]	2nd function.
	[ACC]	Accumulate weight into sum.
	[TARE]	Tare in/out.

| ✕ | [CLEAR] | Clear sum or cancel input. |

6. Operations
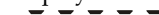
On/Off

☑ Press power switch to 1, to power-on scale.

⬚ Scale performs initialization and boot-up testing, display displays max. cap., remote control address, and battery power, and then detects weight and Auto-Zero.

ⓘ If weight exceed Auto-Zero Range ±20%F.S. ,   ‾ ‾ ‾ ‾ ‾ displays.

☑ Press power switch to 0, to power-off scale.

Zero

☑ Press [ZERO], zero scale.

⬚ ZERO indicator shows.

ⓘ Scale must be stable, otherwise $Un5tb$ displays.

ⓘ Scale must not be tared, otherwise $tArE$ displays.

ⓘ Weight must be in Manual-Zero Range ±4%F.S., otherwise ‾ ‾ ‾ ‾ ‾ displays.

Tare In / Tare Out

☑ In gross mode, press [TARE], tare scale.

⬚ TARE indicator shows.

ⓘ Scale must be stable, otherwise $Un5tb$ displays.

ⓘ Weight must exceed 0, otherwise _ _ _ _ _ displays.

ⓘ Weight must be lighter than 100% F.S., otherwise ‾ ‾ ‾ ‾ ‾ displays.

⬚ Tare will reduce the apparent overloading range of scale. For

example, if a 30*0.01kg scale has a 10.00kg plate as tare, the scale
will overload at a new weight of 20.09kg (30.00 – 10.00 +
additional 9 divisions).

☑ In net mode, press [TARE], tare scale out.

☑ TARE indicator hides.

Unit Switch

☑ Press [UNIT], switch unit in between kg, lb.

▢ When unit switches to kg, kg indicator shows. When unit
switches to lb, lb indicator shows.

Lock / Unlock

☑ Press [HOLD], lock scale.

▢ HOLD indicator shows.

ⓘ Scale must be stable, otherwise $Un5tb$ displays.

☑ Press [HOLD], unlock scale.

☑ HOLD indicator hides.

Accumulate

☑ Press [ACC], accumulate current weight and money.

▢ ACC displays, indicating weight is accumulated. Scale
uses displayed weight, so gross or net weight is added into the
same accumulator.

ⓘ Scale must be stable, otherwise $Un5tb$ displays.

ⓘ Weight must exceed 0, otherwise _ _ _ _ _ displays.

ⓘ Scale must return zero before new weight can be accumulated,
otherwise $I nuLd$ displays.

View

☑ Press [2ND] first, and then press [ACC], enter View mode.

☐ Display shows accumulated weight, accumulating times, and accumulated money.

Clear Memory

☑ Press [2ND] first, and then press [CLEAR], clear accumulation memory, including accumulated weight, times, and money.

☐ $\mathcal{L} \mathcal{L} \Gamma$ displays, indicating all accumulated data are cleared.

Input Digitals

☑ Press number key first, input integer digitals 1~999.

☑ Press dot key then, followed with number key, input decimal digitals.

ⓘ For example, to input 123.45, press [1], [2], [3], [dot], [4], [5].

ⓘ For example, to input 0.12, press [0], [dot], [1], [2], or [dot], [1], [2].

Clear Input

☑ Press [CLEAR], clear the input digitals.

Save Price

☑ Press [MEMORY] first, and then press number key, save current price into corresponding memory unit.

☐ $\mathcal{L} \mathcal{L} \Gamma$ displays, indicating price is saved.

ⓘ There are 0 to 9, up to 10 memory units for price saving.

Load Price

☑ Press [PRICE] first, and then press number key, load price from corresponding memory unit.

7. User Setup

☑ Press [2ND] first, and then press [HOLD], enter User Setup mode.

☐ Message $SEtUP$ displays.

☑ Press [HOLD], enter Idle Time.

Idle Time

☐ Scale displays idle time.

☑ Press [ZERO] or [TARE], change idle time.

☐ To maximize battery life, scale automatically enters Idle Mode, when there's no action or the load is stable. In Idle Mode, scale turn off backlight, works in low-power consumption status. Any key pressing or motion in load wakes up scale from Idle Mode.

☐ Idle time can be set to: 0 (never ilde), 5s, 15s, 30s, and 60s.

☑ Press [HOLD], enter Backlight.

Backlight

☐ Scale displays LCD backlight luminance level.

☑ Press [ZERO] or [TARE], change LCD backlight luminance level.

☐ Dim LED brightness or turn off LCD backlight saves battery power dramatically.

☐ LCD backlight luminance can be set to: 0(off), 1(very dim), 2(dim), 3(normal), 4(bright), 5(very bright).

☑ Press [HOLD], exit User Setup.

8. Battery

To maximize battery life, please note the following battery maintenance guide.

ⓘ This scale is powered by a 6V rechargeable lead-acid battery, which is permanently installed inside scale.

ⓘ Depending on LCD backlight setting, battery works from 15 hours to 120 hours.

ⓘ In order to conserve battery life, enable Idle Mode, dim LCD backlight.

ⓘ Charging time for a completely discharged battery is approximately 10hours.

ⓘ To obtain maximum service life, battery should be stored between -20℃ (-4°F) and +50℃ (122°F). Stored batteries should be recharged every three months.

ⓘ When charging battery, charging indicator being green indicates lack of power, being red indicates full.

9. Troubleshooting

Symptom	Possible Cause	Suggested Solution
not power-on after power switching	discharged / defective battery	check battery and charge
	defective power switch	contact representative
	defective power cable	open scale, check power cable
	defective mainboard	contact representative
display flashes	discharged battery	charge battery
no action taken after remote key pressed	scale is disturbed	re-plug power cable
	discharged / defective remote battery	replace remote controller batteries
	defective remote	contact representative

	controller	
weight reading not stable	load in motion	keep load stable
	weak Anti-Motion	change Anti-Motion level
	damped loadcell or mainboard	dry loadcell or mainboard
	defective mainboard	contact representative
weight reading not zero when no load	discharged battery	charge battery
	load-cell stressed too long	hang scale in storage
	drifting loadcell	contact representative
large error in weight reading	scale not zeroed before applying load	manual Zero scale before loading
	wrong unit	switch to correct unit
	scale requires calibration	calibrate scale
	defective loadcell or mainboard	contact representative
battery can not be recharged	defective charge board	contact representative
	defective battery	
short remote controlling distance	mismatched address	reconfigure remote controller address
	discharged / defective remote battery	replace remote controller batteries

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Weighing system & solution