ACS Series
Price Computing Scale

User Manual

SECTION 1   INTRODUCTION

The ACS series Price Computing Scale is Low Cost Highly accurate measuring equipment most suitable for Super markets, Grocery Stores and other retail outlets.
This scale is made using Highly accurate and precise sensors. It has a capacity to store up to 8 unit prices and 99 accumulation memory. It is a versatile machine; because it also runs on rechargeable battery in case of lack of mains power. The scale will also automatically switched off when it is in non-use condition; in order to save power.

1. 1 FEATURES
- Specifications:600g*2g,3kg*1g,6kg*2g,15kg*5g,30kg*5g 50kg*5g
- Precision:1/3000F.S
- AC 220v or 110v and bulit-in Rechargeable battery
- Storage up to 8 unit prices.
- Accumulate operation (0-99)
- Account function, do memory recall, give change and memory clear one time
- Auto shut off function to save power.
- Display windows: Weight Window: 5 digits
                                Unit Price Window: 5digits
                                Total Price Window: 6 digits

SECTION 2   DESCRIPTION

2.1   KEY DESCRIPTION
Each of the keys are shown and described for you.

ZERO   The **ZERO** key zeroes the scale.

TARE   The **TARE** key subtracts tare values and changes the **ACS** from gross mode (no tare) to net mode.

M   The M key used to store data in your scale.

M+   M+ key will store and accumulate the value of weight and amount as and when pressed

M1 to M8   Stores unit price value at 8 different locations.

C   The **C** key is used for canceling the memorized data.

0~9   The **NUMERIC** key (0~9) is used for setting unit price data.

.   **DECIMAL POINT** key is used for set the decimal position of unit price

2.2   DISPLAY DESCRIPTION

Display Indicators
1. Tare indicator : The TARE LED is located on the left side below the Weight Window
2. Zero indicator : The ZERO LED is located on the right side below the Weight Window
3. Low Battery Indicator : Low Battery Indicator is located below the Unit Price Window
4. AC power indicator : AC Power LED/LCD is located below the Total Price Window

SECTION 3   OPERATION

3.1 GENERAL INSTRUCTION
1. When battery goes low, the "Low Battery" indicator will be turned on automatically. It is the time to charge the battery with the AC power.
2. Before starting using **ACS**, please check if the bubble is in the middle of the level ; if not, please make appropriate adjustment.
3. allow **ACS** to warm-up for 10 minutes after switching on the power, for better results.

3.2 BASIC OPERATION

3.2.1   Zero the scale
When there is no item on the scale but reading is not zero, press the **ZERO** key to turn on **ZERO** indicator.
3.2.2   Weighing

Ensure that scale is in ZERO position and ZERO indicator is glowing; place an item for weighing on the pan. The Weight Window will display the weight of the item.

3.2.3 Tare
Put container on the platter, once the weight reading is stable, press the **TARE** key, the **TARE** indicator will be on and the container's weight will be deducted. When it is time to clear the **TARE**, take off the container, and press **TARE** key again.

3.2.4 Overload Warning
Please do not add item that is over the maximum capacity. When the scale is ringing an alarm, remove the item on the platter to avoid damage to the load cell.

3.2.5 Unit price setting
To trade with your **ACS** scale, it is necessary to setting a unit price of the goods, EPS-1 PR then uses this unit price to determine how much value of that goods (placed on the platter).

When **ACS** scale displaying the weight of the goods placed on the scale, set the unit price through numeric keys. Set unit price is showed in **UNIT PRICE** window display, **TOTAL PRICE** window display shows the total price of the goods. To cancel the previous unit price, press **C** key .

3.3 ACCUMULATOR OPERATION

3.3.1 Prepare to accumulate
Each time before accumulate, please make sure the platter is empty, the current accumulator values is reset to zero, and the weight reading is stable.

3.3.2 Accumulation operation
Put the weighing item on platter, wait for the weight reading to be stable, press the **Add** key, the window will show **Add *n*** being the number of times a count operation had been performed.
If you have entered the Unit Price for that item; the accumulate operation will show the total of both – Weight as well as Price as follows:
Place an item on Platter, allow the scale reading to be stable; enter unit price using numeric keys, Unit price window will show the Unit price and Total price window will show total price. Now, press **Add** key, it will store the value of weight and price both.
Now, remove the first item from the platter, place another item on the scale; allow it to be stable, Enter Unit price using numeric keys, after observing Unit price and Total price, press **Add** key again. The Unit price window will flash Add 2. and weight window as well as Total price window will show accumulated weight and accumulated price respectively.
You can carry on this way for 99 times with your ACS scale.

3.3.3 Accumulate Clear
You can clear the accumulated value by pressing **C** (Clear) key at any time.

3.4 UNIT PRICE STORAGE
ACS scale can store 8 sets unit price.

3.4.1 Store the unit price
Press STORE key; than enter desired unit price using numeric keys. Now press M* (*=1 to 8) key. The value will be stored into respective M* (* =1 to 8) key. If you have already entered any value in that key, it will be replaced by new value.

3.4.2 Load the unit price
If you want to use the unit price stored in the **ACS**, while weighing; than press respective M* (*= 1 to 8) key after the weighing display is stable. The Unit price will be loaded and it will be displayed in Unit Price Window.

SECTIOIN 4 Caution

4.1 Battery
The battery must be recharged properly after use of the scale without Mains power. Normally; charge for 1.2 hr for each use of 1 hr of scale. If it is not used for longer

time; than charge it continuously at least for 24 hours. Otherwise it will cause damage to battery.

Never connect battery in reverse polarity. Ensure that the Scale's +ve is connected with Battery +ve and Scale's –ve is connected with Battery –ve.

Remark: Before you begin to charge battery , please turn off the scale frist.

4.2   Water/ Temperature

Protect your scale from Heavy Raining, Water flooding and also from Direct Sunlight and High temperatures (above 50 deg. C). This scale is not a Water proof scale.

4.3   Humidity

Protect it from the constant humidity; DO NOT install near humidifier

4.4   Magnetic Field

Do not install your scale near Strong Magnetic Field. It may damage delicate parts of your scale.

4.5   Repair / Maintenance

Do not try to open the scale by your self OR by unauthorized technical person. This may damage the scale permanently. Always contact your nearest dealer / service station for emergency repairs.

SECTIOIN 5 Common Trouble Shooting

Following chart will show you the common trouble shooting.

Trouble	Instruction	Possible Reason	Remedy
AC lamp is not glowing	Power may not be connected	1) The mains plug may be disconnected. 2) The power cable is damaged.	1) Insert the power plug or replace it if damaged. 2) Change the power cable.
Scale is not turning on with battery.	There is no DC power supply to the Scale	1) The storage battery is damaged 2) The battery connection are not proper	1) Replace the battery of the similar model. 2) Ensure that connections are in good condition.
Over voltage LED glows, Alarms and automatically turn off	Over Voltage	Battery is in use for too long time	1) Charge the battery 2) Change the battery is found damaged
Weight reading is unstable	Over voltage or affected by moisture	Insufficient voltage OR use of battery is prolonged even after the warning alarm OR too much humidity in surrounding.	Charge the battery for at least 10 hours; Or clean the Mother PCB for drying.