

SNOWREX

Coin Checker

Model: NCR



You have purchased a quality precision weighing instrument that requires handling with care.

Read entire contents of this **Operation Manual** prior to operating your new instrument.

Disclaimer Notice

Calibrate your instrument using reference weights of the appropriate tolerance (class).

An instrument can be no more accurate than the standard to which it has been compared.

For assistance in the selection of reference weights, please contact the factory.

Caution : Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this equipment.

Introduction

Thank you for choosing one of our instruments. Your instrument is designed and manufactured to the most rigorous standards in order to give you years of service.

First, check the contents of the shipping carton. You should find the following :

*** Manual * Instrument * AC Adapter**

Next, follow the instructions for installing your instrument.

Now you are ready to begin using your instrument. To take advantage of its many features, carefully read your operating manual.

It contains step-by-step procedures, examples, and other vital information.

Warning : Use of this product in a manner not specified by the manufacturer may impair any safety protection provided by the equipment!

RS232C Specifications & connections

A. Specification :

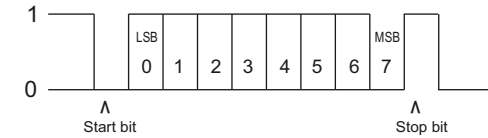
Baud rate : 2400/9600

Parity : none

Data bit : 8

Stop bit : 1

B. Data Stream :



C. Connections : DB-09 Male

Pin no.	2	5	others
	TXD	GND	NC

D. Format :

S/N	COIN	\$. C	ACC(\$.	C
1				
2				
.				
.				

XX TOTAL:				

Error message

Symptom	Cause	Solution
	Over load :	
	* Weighing range exceed	> Unload scale or reduce preload
	Under load :	
	* Weighing pan not in place	> Ensure the weighing pan is correctly installed and surrounding parts are not touching
	* Weighing range zero below	> Set scale to zero
	* Contact between weighing	> Apply pre-load
	Zeroing not possible :	
	* Zeroing outside the zero setting range	> Ensure that zeroing is performed in the admissible range (20% of Cap.)

Programme

1. Press and Hold any key while switching machine ON.
2. Please press **5** old key for the test of LCD.
3. Please press **5** new key for the test of keypad.
4. Please press **50** key for the setting.

Display shows:

CAL

of parameter : Press **MODE** for selection ; Press  to confirm.

A. Auto off	R ^{OFF}	0	None
	R ^{OFF}	1	5 min. After
	R ^{OFF}	2	10 min. After
	R ^{OFF}	3	20 min. After
	R ^{OFF}	4	30 min. After
B. Print out	P _r	0	None
	P _r	1	Manual (Press M+)
	P _r	2	For cctv
C. Baud rate	b _r	9600	Baud rate 9600
	b _r	2400	Baud rate 2400

* When the display appear CAL, please press the hidden key which is below **MODE** key for returning back to the number mode of coin checker.

Specification

Model	NCR - 15	NCR - 30
Range	15 kg	30kg
Display	LCD, height 19mm Denomination : 6 digits, Value : 6 digits	
Pan size	260 × 200 mm (W × L)	
Dimensions	270 × 330 × 115 mm (W × L × H)	
Net Weight	4kg	
Temperature Limits	0~40 °C	85RH
Power Supply	9V/500mA, AC adapter	

Built in 6V Rechargeable-battery.

Battery operating limited at 5.5V and display will show

LoBAtE

In this time the instrument should be charged.

Preparation

This product is intended for indoor use.

- * Select a suitable work area.
- * Work area should be relatively free from drafts and vibrations.
- * Work surface should be level and rigid.
- * Do not locate near magnetic material or equipment/instruments which use magnets in their design.
- * Avoid area which have variations in room temperatures or have excessive room temperatures. Room temperatures above 40°C or below 0°C could affect instrument operation and accuracy.

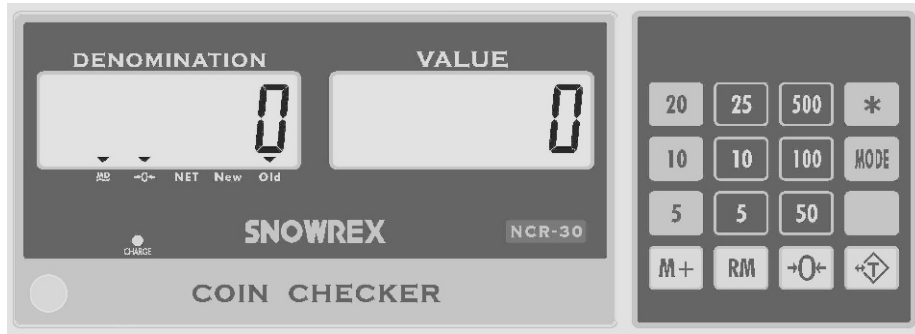
Installation

Remove instrument and accessories from the carton.



Save packing material for transportation purposes.

- * If using the AC adapter, insert power cord into the receptacle located on the side panel of the unit (behind On/Off switch). Firmly push in the plug.
- * Allow the instrument to warm up for 30 minutes prior to use.
Your instrument features a numeric display that continuously shows your weighing results.

















Display & Keypad



Display & Indication





- MD** Motion detect. The indicator turns on while the weight unstable. Indicator turns off while the weight to be stable.
- 0-** Capture a new center of zero.
- NET** If press  Key, the indicator will turn on it.
- M+** The indicator turns on when accumulation to be used.
- New** The indicator turns on when using New Currency.
- Old** The indicator turns on when using Old Currency.
- Charge** The indicator lights in red while battery is charging, The indicator lights in Green While Battery is charging fully. When  shows in the VALUE window, the battery must be charged.

Key Functions

- Denomination Keys** Used for choice Denomination as
 Old   
 New      
-  Key
Capture a new center of zero.
-  Key
Reduce the gross weight on the platter, ie. Box or Container...etc.
-  Key
Used for accumulating the total value, and print out. (Every denomination could be accumulated 1 time when motion detect indicator turns off.)
-  Key
Used for checking the total amount. (The accumulating times will show Acc. xx in the left window. The total value will show in the right window)
Press  key to delete accumulating memory in Acc. xx
-  Key
Currency selection. (NEW / OLD).
-  Key
This key is used for backlit selection in "Close", "Open", "Auto" sequence.

Calibration

The procedures are as follows :

- Please take off the jumper on Jp3.
- Press any key when power on , and the display appears "CAL",
- Press  old key , and the display appears offset value.
- Press  key , and the left window shows "0".
- Put the standard weight on the plate.
- Press  key for selecting the correspondent numbers to the standard weight(10000g , 20000g , 30000g)
- Then press  and the Calibration is done.
- Please put the jumper on Jp3.