Gebrauchsanweisung
User manual
Инструкция по эксплуатации
Manuel d'utilisation

Münzzählmaschine
Coin counter
Счетчик монет
Compteuse de pièces de monnaie

PRO CS-200A

PLAYSOL
Todo para el Recreativo
www.playsol.com
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The universal coin counter PRO CS-200A is designed for fast and exact counting, batching and sorting of counters and coins of different face value. This manual will help you to easily and quickly get acquainted with the device and its functioning as well as the maximum use of its possibilities in your work. Please, read this manual before operation to know all device functions.

1   The basic functions of the device.

1. Counting and summing up counters and coins of one face value
2. Batch mode of counting counters and coins of one face value.
3. Sorting counters and coins of different face values

2   Appearance

1 - Diameter setting handle.
2 - Drum.
3 - Coin feed hopper
4 - Thickness setting handle
5 - Reclining cover
6 - Power switch
7 - Compartment for improperly sized coins (not counted coins)
8 - Compartment for counted coins
9 - Top cover opening lever
10 - Control panel
11 - Top cover
12 - Power supply socket with a safe fuse
13 - Bottom cover of the case
14 - Support legs
15 – Additional box

Figure 1

Counting speed ....2300 coins/minute
Feed hopper capacity ....7000 coins
Diameter of coins ....34mm (max) - 14mm (min) (1 3/10"(max) – 11/20"(min)
Thickness of coins ....3.7mm (max) - 0.7mm (min) (3/20"(max) – 1/36"(min))
Capacity of counting device 0-9999999
Range of the set counting 1-9999
Power consumption 70W
Voltage ....220V/50Hz (For U.S. - 110V/60Hz)
Overall dimensions: ....27/36/33sm (10 3/5"(L) x 14 1/5"(W) x 7 9/10"(H))
Weight 12kg (26.5lb)
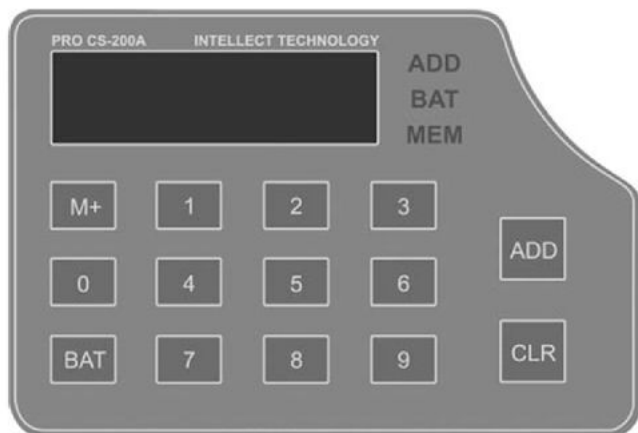
English

Figure 2

"**ADD**" - Enter sum up mode. Press " ADD " button to switch ON/OFF sum up mode. If "ADD" indicator on the control panel is lit, sum up mode is ON.
"**BAT**" - Choose a batch mode (0,20,35,40,50,100,200,500,1000,5000,0):
Press "BAT" button several times depending on the desired number of coins. Use the following buttons to correct the number:
"**0**"-"**9**" - Digital keys used for input of numerical batch values in a batch mode of counting (readout of operational quantity of banknotes). Pressing any key (0-9) to automatically enter batch mode.
"**CLR**" Clear display indications
" **START/STOP** " Start or stop counting. Press "START/STOP" button to start or manually stop counting operation.
"**M+**" stores and adds the current value of counting in the memory for the chosen coin code. If a value is stored indicator "MEM" should light up.

Press M+ to display the final result from the memory, and press and hold simultaneously any other button for 3 sec. Remember, that current value will be stored when M+ is pressed, if it is necessary to display the result without current value, then clear this value by pressing CLR button.

5   Safety precautions

1. Read the manual and observe the requirements stated in it before operating the device.
2. The manual should be available to operator.
3. Do not place the counter in the following places:
on an inclined surface
in humid rooms
in the areas where the equipment is exposed to vibrations
in dusty rooms
where it is exposed to directional sunlight
close to dangerous objects
4. Do not operate the counter with wet hands.
5. avoid getting of liquid or foreign objects into the counter
6. Avoid accidental fall down of the device
7. Before loading the counter make sure that there are no foreign objects. Curved or damaged coins inside (see p.8)
8. During operation:
- make sure there are no left coins in the stacker hopper and separator (see p.8)
- regularly service and clean the device to keep the set technical parameters
9. Do not disassemble and modernize the counter, it can cause an accident.

6   Preparation before work

6.1 Installation of the counter.
Put the counter on worktable
Fix the tray for not counted coins on the right side
Using locking ring fix a sack on the tube for counted coins
Connect network cord to power supply socket
Turn network switch to ON position

6.2 Calibration of the counter.
Attention! Calibration of the counter for Russian coins is not required.
Attention! Calibration of the counter is done once for coins or counters of a certain value. Additional calibration is required only when new coins or counters with different value or geometrical sizes (diameter and thickness) are issued. The rate of one division by diameter: one click is equal to 0.33mm (1/8")
Attention! Set diameter accurately.
Choose a coin or a counter
Set the corresponding diameter of a coin

16

Set the corresponding thickness of a coin

Put a coin in the feed hopper and start the counter pressing "START" button.

If after several seconds of engine running the coin is ejected from non-counted coins tube (on the right) move the diameter setting handle 1 division (1 click) back

If after several seconds of engine running the coin is "dangling" in the centrifugal disk shift the diameter setting handle 1 division (1 click) forward and shift the thickness setting handle in the increase direction.

Make sure that that the coin or a counter should get in the eject stacker of the counted coins and the display shows the result .

Calibration procedure is required in case of coins and counters of other nominal values are issued.

Put the results of calibration in a table.

If diameter setting handle is blocked (see p.8), increase the diameter by one or several divisions (one click=0.33 mm(1/8")).

Face value	Diameter	Thickness

Face value	Diameter	Thickness

English

7.1. Counting coins and counters of one face value

Set the corresponding diameter of a coin
Set the corresponding thickness of a coin
Put coins of one face value in the hopper
Start the counter, pressing " START " button.
Coins will get in the stacker hopper for counted coins and the result will be shown on the display.
Repeat the procedure until there no coins in the hopper

7.2. Summing up of coins and counters of one face value

Set proper diameter of a coin
Set proper thickness of a coin
Put coins of one face value in the hopper
Press "ADD" button. Indicator will light. Start counter by pressing START button.
Coins will get in the stacker hopper for counted coins and the result will be shown on the display Fig. 1-8
The counter will runs 3 operating cycles and stop. Press "START" again. Repeat the procedure until there are no coins in the hopper.
Add new coins when necessary. To exit sum up mode press ADD and CLR buttons to reset the display value.

7.3.Batch operation mode with equal face value coins.
(mode of counting a specified number of coins)

Set the corresponding diameter of a coin
Set the corresponding thickness of a coin
Put coins of one face value in the hopper
Enter the number of coins to be counted. Press "BAT" button on control panel the necessary number of times.
The indicator will light. (BAT) Using buttons "-1" ,"+1", "-10", "+10" you can set the necessary amount. Set by pressing "BM " button the value of batch which will be stored. New value is stored during all further operation
Start the counter by pressing "START" button.
Coins will get in the stacker hopper for counted coins and the result will be shown on the display Fig 1-8.
The counter will run 3 operating cycles and stop. Press "START" again. Repeat the procedure until there no more coins in the hopper.
Add more coins when necessary.

7.4. Sort mode of different coins and counters.

Sorting coins by face values should be started from the biggest coin!
Set the biggest diameter of a coin
Set the biggest thickness of a coin

Put coins of one face value in the hopper, press "START" button.
Coins of a set value will get in the stacker hopper for counted coins and the result will be shown on the display Fig. 1-8
Coins of other face values will be ejected from the tube of not counted coins (on the right)
The counter will run 3 operating cycles and stop. Press "START" again. Repeat the procedure until there are no more coins in the hopper.
Add new coins when necessary
Insert a new bag.
Repeat 7.4 operations.
In case of one face value coins being in the hopper, repeat 7.1 operations.

8   Troubleshooting

Possible reasons of failure:
1 Incorrect setting of switches "Thickness' and "Diameter"
2 Getting into hopper of foreign objects, damaged coins or foreign ones different from national in size, together with conditional ones.
In the first case it is necessary to choose a more exact position of the switches Thickness or Diameter or calibrate the counter again, specifying the coin parameters.
In the first and second cases, if engine is stopped, what can be detected by a specific sound or if the coins are not ejected from any of the tubes it is necessary to:
Stop counting (press "START/ STOP", if the motor works) and take away the stacked coin from dividing path. To do that:
Turn the diameter handle to the maximum value and press "**START/ STOP**" button, the rest coins will get into the hopper for unrecognized coins and afterwards when necessary do the following:

Switch off power supplies of the counter
Open a cover closing the transport mechanism Fig.3
Open upwards unit with a belt drive by cramp, Fig.4.
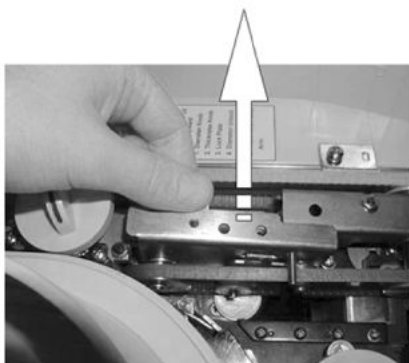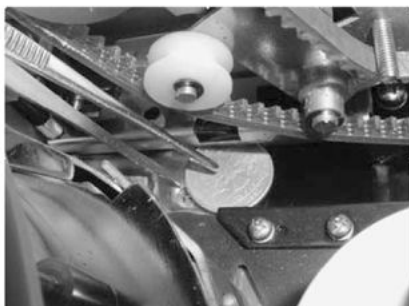Remove the coin Fig. 5

English

Figure 3

Figure 4

Figure 5

Manufacturer guarantees proper functioning of the device during warranty period of warranty period since the date of sale under condition of compliance with maintenance and storage procedures described in this manual. After unpacking the device please keep the package and technical description. Warranties are canceled in case the device was not transported in the original package or maintenance procedures were violated. Manufacturer is not responsible for device malfunctioning as a result of improper maintenance, storage and transportation including mechanical failures.

In case of device failure during the warranty period, customer has the right to repair it in Service centre for free. The equipment is accepted for warranty repair clean from dust and mud.

Cleaning equipment from dust and mud is not included in the warranty and is charged separately.

Warranty service does not include training of equipment maintenance, as well other service for providing functioning of device (connection, testing, customizing, preventive works etc.), which customer can commit on his own according to the attached manual. Producer is entitled to introduce constructive and software changes, not described in the current manual.

Warranty service is not available in the following cases:

- Absence of warranty coupon, incorrectly filled warranty coupon, or corrected coupon
- If operation rules mentioned in the manual were violated.
- If there are mechanic damages of equipment.
- If there are foreign objects or liquid inside device.

The present warranty is not applied to lamps, batteries, belts, network adaptors, power units, safety fuses, brushes, parts of the body of the product and any other parts which have naturally limited period of service including failures caused by instability or power supply failures. Replaced defective parts are to be considered property of our company. The owner delivers faulty equipment to a service centre at his own expense.

English