ProNote 100
BankNote

▷ # Quick Start

BATCH - Batching

By pushing the "**BATCH**" Key you can swap between the pre-programmed batch stop setting **OFF** for one hundred-dollar bills ($100.00), fifty-dollar bills ($50.00) twenty-dollar bills ($20.00), ten-dollar bills ($10.00) or five-dollar bills ($5.00).

ADD - Addition counting

All BankNote bundles will be counted together instead of restarting counting with every new bundle insert.

MODE - Counting mode selection

By pushing the "**MODE**" Key, two (2) modes can be selected:
a) **VALUE BALANCING MODE**; and
b) **PIECE MODE**.
(S*ee Save user settings on page 4*)

CURRENCY - Currency selection

By pushing the "**CURRENCY**" key, you can choose between four (4) different currencies: Canadian (CAD), American (USD), European (EUR) and United Kingdom (GBP).
Three (3) other self-definable currencies can be selected.

Model ProNote 120 illustrated

CLEAR

Clear the counting result.
(reset device to the factory settings)
(See Save user settings on page 4)

START

1) Clear an error message; and
2) Restart counting after an error message.

SPEED - Counting speed

Thee (3) speed levels can be selected.
Middle (1,200) speed offers the best profile in terms of counting speed and noise level.

FUNCTION - Setting detection

By pushing the "**FUNCTION**" key you can choose from the available detections and do the settings using +1/+10 key.
(S*ee Facts & Figures on page 6*)

+1 / +10:
The pre-programmed "batch stop" can be individually adjusted within the range of 1 to 200 notes or by pushing the "OFF" switch.
a. Pushing the "**+1 / +10**" key rapidly changes the value by one (1);
b. Keeping the "**+1 / +10**" key pushed longer changes the value by ten (10).

DETAIL - Displaying counted notes
The "**DETAIL**" key is in function when the "**MODE**" key has been activated and the "**VALUE BALANCING**" option has been selected.
After the counting process in the "**VALUE BALANCING MODE**" a detailed view can be displayed, showing the quantity and the total value of each denomination.

MBO SYSTEMS

1. Switch ON
Turn ON the BankNote counter with the "**ON/OFF**" switch located at the rear side of the machine.
The counter is ready after a short self-check.

2. Adjust note guides
Move the right and left note guide gently towards each other to adjust them at the length of the denomination to be counted. **Always place the BankNotes from above and centered to the hopper.**

3. Start counting
The **counting starts automatically** after placing the BankNotes on the hopper. The BankNotes must be placed smoothly on the hopper.
   a) Make sure that the notes do not move sidewards on the hopper; and
   b) Do not forget to check the note bundle for foreign objects such as coins or clamps, which could damage the sensors.

4. Confirming error messages
In case of an error message, please follow the instructions on the display.

5. Finish the counting process
The counting is finished as soon as:
   a) No more BankNotes are left on the hopper;
   b) The adjusted batch stop its reached; or
   c) The stacker is full.

The display shows the number of counted notes and the total value (when the "**VALUE BALANCING MODE**" is selected).

6. Clean & Care
The abrasion of the counted note papers causes dust in the machine. From time to time, or in case of an error message, carefully removed dust and dirt with a soft brush and cleaning cloth.

(included with the ProNote 100 model).

Save user settings
Adjust the machine accordingly to your requirements. Hold down the "**MODE**" key for 3 seconds. If your personal setting is not saved, the device always goes back to the factory settings when rebooted.

Reset device to factory settings

Push and hold down the "**CLEAR**" button and simultaneously switch the device **ON**, then, confirm by pressing the "**START**" button.

Hints

To achieve a good feeding with bad quality notes, you may guide the bundle gently with 2 fingers while counting.

Before counting, tap the bundle at the long side on a hard surface in order to align the notes. Place the bundle with the aligned side towards the feeder.

Bad quality BankNotes should always be checked.
Pleated and folded corners should be removed. Bundles should be fanning to avoid BankNotes sticking to each other.

VALUE BALANCING MODE - Value counting

In this mode, the value of sorted notes of Canadian (CAD), American (USD), European (EUR), United Kingdom (GBP) currencies can be counted within one automatic counting process, from the smallest to the biggest denomination.

Three (3) other self-definable currencies can be selected.

(Press the "**START**" button to skip certain denomination)

This Mode can be recognized by the currency symbol (e.g. €) and the display message "**VALUE BALANCING**" on the top of the display.

Size detection is automatically switched **ON** in this mode. Following detection can be set for "**VALUE BALANCING MODE**":

a) Double;
b) UV; and
c) MG*

* only available with the ProNote 120

PIECE MODE - Piece counting

Just the quantity of notes or other documents are counted in this mode. In this mode you may also count non-cash-Items (such as coupons) of following size range: 110 x 50 ~ 175 x 85 (mm).

Following detection can be set for "**PIECE MODE**":

a) Width;
b) Double;
c) UV; and
d) MG*

* only available with the ProNote 120

ProNote 100 FACTS AND FIGURES

CONGRATULATIONS FOR PURCHASING A PRONOTE 100 BANKNOTES

DESCRIPTION

ProNote 100 counts BankNotes up to a speed of 1 500 Notes per minute and detects them if required for UV and MG security features. The clearly laid out LCD display and sophisticated menu system provide a clear overview of all important functions. A single button push is all that is needed to :

a) Switch between available currencies;
b) Switch between the two count modes; and
c) Report with a detailed list of all counted notes (Piece and Value).

Further information on the display shows you how to handle the counting process in case of a certain error message.

CURRENCIES

Value counting: Canadian (CAD), American (USD), European (EUR), United Kingdom (GBP).

Three (3) other self-definable currencies can be selected.

COUNT MODES

- **Value Balancing Mode:**

   Detection and value counting of pre-sorted BankNotes

- **Piece Mode**

   Detection and piece counting.

MVB - **Multi Value Balancing** is a special function that overtakes the job of doing the addition yourself when doing your cash balancing.

DDA - Dynamic Denomination Analyze

Capacity & Speed

- **Capacity hopper**: 300 notes
- **Capacity stacker**: 200 notes
- **ADD- Addition counting function**: yes
- **BATCH – Batching** : Variable 1:999 / preset
- **Counting speed**: 800 / 1,200 / 1,500 notes per minute

Safety features detection

- UV

Certificates

- CE
- RoHS

General data

- **Display type**: LCD with 9-digits piece display
- **Density setting**: Eight (8) levels
- **Document size**: 110 x 50 ~ 175 x 85 (mm)
- **Alarm type**: Visual and Acoustic
- **Alarm system**: double / chain / half, skew note

Technical data

- **Dimensions** (L x W x H): 287 x 243 x 248 mm
- **Weight**: 6.5 kg
- **Power consumption**: 60 W
- **Power supply**: AC 110-240 V / 50-60 Hz
- **Ambient temperature**: 0 cC ~ 40 cC
- **Humidity**: 40% ~ 90%

Interfaces

- PC-connection via RS232
- External display via RS232

Options

- **External display** (cable included):
    a) 4 digits for piece number; and
    b) 6 digits for value.

* **Power cable, RS-232 cable, fuse, cleaning brush and cloth as well as user manual**

ProNote BankNote Counter Series

- ProNote 100
- ProNote 120
- ProNote 200

For more information, please visit our international website **www.mbosystems.com**

Error Message	Cause and action
Fluorescence sensor	UV sensor is dirty, or covered by foreign objects or in direct sunlight. Clean the sensor with cleaning brush, get rid of foreign objects if there is any, avoid strong light source.
Banknote feeding sensor	Remove BankNotes from hopper and clear the sensor.
Banknote receiving sensor	Remove BankNotes from stacker and clear the sensor.
Left counting sensor	Sensor is dirty, or covered by foreign objects. Remove foreign objects, clear the sensor.
Right counting sensor	Sensor is dirty, or covered by foreign objects. Remove foreign objects, clear the sensor.
Rotate speed sensor	Should this error occur frequently, please contact the Procoin CashWork service team.
Internal memory fault	Device was switched off during a counting process. Reset device to factory settings. Hold down the "**CLEAR**" button and switch the device on. Display will show "**-DEF-H-**", confirm by pressing "**START**" button.
Device shows no function	Replace the burnt fuse next to the power cable connection with a new one.
Chained / Double / Slant notes	Several BankNotes are connected, overlapped or slantwise. Please take all BankNotes from the stacker, and re-count them. Should this error occurs frequently, adjust the feeder by turning adjusting screw.
Incomplete notes	Half piece or incomplete BankNote. Remove the last ejected BankNote and press "**START**" to continue the counting.
UV error Magnetic feature fail	Counterfeit or suspect banknote, remove the last ejected bank- note and press the "**START**" button to continue counting. Should false detection occurs frequently (taking genuine BankNotes as counterfeit ones) you can adjust the sensitivity to a lower level.
Width error	The banknote is nonconforming in size, remove the last ejected banknote and press the "**START**" button to continue.
Receiver stacker full	There are 200 BankNotes in the stacker, its capacity is reached. Please remove all the banknotes from stacker.

CASH HANDLING FOR RETAILERS

MBO Systems
110 Watopeka street
Windsor (Quebec) J1S 1N2
Canada

Phone number : 1-514-733-4274
e-mail : order@mbosystems.com
Website **www.mbosystems.com**

RoHS   CE

ENGLISH