Australian Government
Department of Industry, Science and Resources

National Measurement Institute

36 Bradfield Road, West Lindfield NSW 2070

# Certificate of Approval

# NMI 6/4D/402

Issued by the Chief Metrologist under Regulation 60
of the
*National Measurement Regulations 1999*

This is to certify that an approval for use for trade has been granted in respect of the instruments herein described.

Sbot Technologies CAPER CART 3 Model CAPER-V012.0 Weighing Instrument

submitted by Sbot Australia Pty Ltd
Level 19, CBW
181 William Street
Melbourne VIC 3000

**NOTE:** This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

This approval has been granted with reference to document NMI R 76, *Non-automatic weighing instruments, Parts 1 and 2*, dated October 2015.

This approval is subject to review at the decision of the Chief Metrologist in accordance with the conditions specified in the document NMI P 106.

DOCUMENT HISTORY

| Rev | Reason/Details | Date |
|---|---|---|
| 0 | Pattern provisionally approved – interim certificate issued | 8/11/24 |
| 1 | Pattern approved – certificate issued | 17/06/25 |

CONDITIONS OF APPROVAL

**General**

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI 6/4D/402' and only by persons authorised by the submittor.

Instruments purporting to comply with this approval and currently marked 'NMI P6/4D/402' may be re-marked 'NMI 6/4D/402' but only by persons authorised by the submittor.

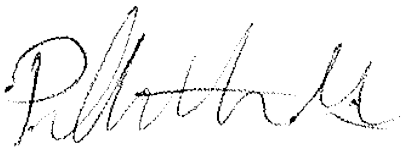
It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with document NMI P 106.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate of Approval No S1/0B.

**Special Conditions:**

Certain aspects of this instrument (in particular transaction record printing formats) are able to be configured by the user. Whilst NMI believes that acceptable formats can be achieved for typical basic sales modes, it is also possible for the instrument to be configured to produce unacceptable formats, and use of some formats may be inappropriate for different sales modes. It is the responsibility of the user to ensure that acceptable and appropriate formats are used in any particular situation.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.



**Phillip Mitchell**
A/g Manager
Policy and Regulatory Services

TECHNICAL SCHEDULE No 6/4D/402

## 1. Description of Pattern **provisionally approved on 8/11/24**
**approved on 17/06/25**

A Sbot Technologies CAPER CART 3 Model CAPER-V012.0 class (III) self-indicating single interval non-automatic weighing instrument (Figure 1) of 40 kg maximum capacity with a verification scale interval of 0.005 kg and with a minimum capacity of 0.1 kg.

Instruments are fitted with a colour touchscreen display/keyboard mounted on the shopping trolley (Figure 1). The operator touchscreen provides tare, weight, unit price and price information, zero, and 'net' indicators.

Instruments display unit price to $999.99/kg, total price to $99999.99, and have a product look up (PLU) facility and provide various methods of product look up (PLU). The image and/or product description relating to PLU items may also be displayed.

Instruments may be fitted with wireless networking capabilities for interface with store computer system for the downloading of PLU data, and the uploading of measurement data for storage, processing and transaction receipt (#).

(#) Refer to the Special Conditions of Approval in the certificate.

Note:

Instruments are used in a self-service arrangement. The following conditions apply.

- The trader making the weighing instrument available for direct use by the public is responsible for ensuring the instrument is used correctly to achieve correct transaction measurements. Sufficiently clear instructions shall be given to the public (the operators) to enable them to correctly obtain a weight value.
- The trader ensures the automatic tilt sensor fitted on the weighing instrument functions properly.

### 1.1 Zero

A zero-tracking device may be fitted.

The initial zero-setting device of the pattern has a nominal range of approximately 20% of the maximum capacity of the instrument.

The instrument has a semi-automatic zero-setting device with a nominal range of not more than 4% of the maximum capacity of the instrument.

### 1.2 Tare

A semi-automatic subtractive taring device of up to the maximum capacity of the instrument may be fitted.

### 1.3 Power Supply

The instrument operates from an 18 V DC rechargeable battery.

## 1.4 Interfaces

The indicator may be fitted with interfaces for the connection of auxiliary and/or peripheral devices. Any interfaces shall comply with clause 5.3.6 of document NMI R 76 (the basic intent of which is that it shall not be possible to alter weighing results via the interfaces).

Any measurement data output from the instrument or its interfaces shall only be used for trade in compliance with NMI General Supplementary Certificate of Approval No S1/0B (in particular in regard to the data and its format).

Indications other than the indications of measured mass (i.e. gross, tare, net, totals) displayed either on the indicator or on an auxiliary or peripheral device, are not for trade use.

Instruments may be fitted with Wireless Local Area Network (WLAN).

## 1.5 Levelling

The instrument is provided with an automatic tilt sensor with out of level conditions of less than ±1.2° in longitudinal or transverse directions. If the instrument reaches or exceeds this tilt value, then a warning message is displayed stating 'Cart slope unstable. Return to home screen' and the purchase CONFIRM button is inhibited.

## 1.6 Verification Provision

Provision is made for the application of a verification mark.

## 1.7 Sealing Provision

The instrument is sealed by recording the non-resettable event counters on verification.

Access to allow changing of set-up parameters including calibration parameters must be protected by a passcode/password.

The instrument automatically increments a configuration or calibration value (audit trail number) each time the indicator is re-configured or calibrated.

The value of event counters (audit log) may be recorded on a destructible adhesive label attached to the instrument (as Calibration followed by a number and Weight Configuration followed by a number).

Any subsequent alteration to the calibration or configuration will be evident as the recorded values and the current counter values will differ.

The steps for accessing the audit log are as follows:

- Press the 'Help' icon.
- Press the  icon on the 'Help' pull down menu screen.
- Select the 'Options' icon to proceed to the next screen.
- Select the 'Weights and Measures Info' to proceed to the 'Audit Log' screen.
- The 'Audit Log' is displayed.
- 'Calibrations' count and 'Weight Configurations' count are displayed on the 'Audit Log' screen (Figure 2).

## 1.8 Software

The legally relevant software is designated:

- Caper Android APP software version 24.063.204;
- Metrological Software Version 24.052.506, configurations: X. (Note: configurations X represents a number of times the metrological software has been downloaded to the instrument. An audit trail of 'Metrological Software Versions and Configurations' is shown at the bottom of the 'Audit Log' screen (Figure 2).

  The Metrological Software Version is protected by a Metrological Software Signature (aka checksum number) 1bb381e03c785717fbf02b77055c65ed.

The steps for accessing the software versions and numbers are as follows:

- Press the 'Help' icon on the top right corner.
- Press the  icon on the 'Help' pull down menu screen.
- Select the 'Options' to proceed to the next screen.
- Select the 'Weights and Measures Info' to proceed to the 'Audit Log' screen.
- The 'Audit Log' is displayed.
- Software versions and numbers are displayed on the 'Audit Log' screen. (Figure 2).

## 1.9 Descriptive Markings and Notices

Instruments carry the following markings:

| | |
|---|---|
| Manufacturer's mark, or name written in full | Sbot Technologies LLC |
| Name or mark of manufacturer's agent | Sbot Australia Pty Ltd |
| Indication of accuracy class |  |
| Pattern approval mark for the instrument | NMI 6/4D/402 |
| Maximum capacity | *Max* ...../..... g or kg # |
| Minimum capacity | *Min* ..... g or kg # |
| Verification scale interval | *e* = ...../..... g or kg # |
| Serial number of the instrument | …….. |

# These markings are shown in the electronic markings field below the display of the result.

Note: The descriptive marking plate is located as shown in Figure 3.

TEST PROCEDURE No 6/4D/402

Instruments shall be tested in accordance with any relevant tests specified in the National Instrument Test Procedures.

The instrument shall not be adjusted to anything other than as close as practical to zero error, even when these values are within the maximum permissible errors.

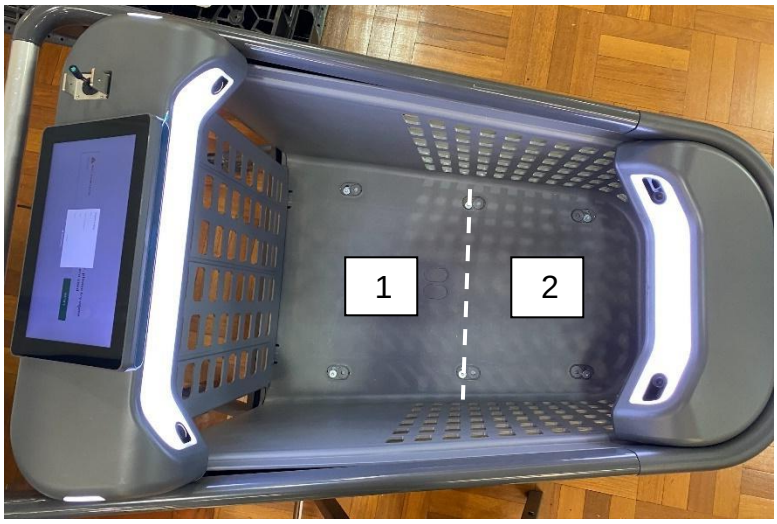
**Maximum Permissible Errors**

The maximum permissible errors are specified in Schedule 1 of the *National Trade Measurement Regulations 2009*.

**Additional Eccentricity Test and Tare Weighing Test Shall Be Carried Out.**

**Eccentricity Test**

1. Divide the load receptor into two approximately equal segments. Assign numbers to the segments with position 1 and position 2 as shown in the photo below.




2. Zero the instrument (press the 'ADD ITEM BY NAME OR CODE' button).
3. Apply a test load of 25 kg at position 1.
4. Record the load and the indication.
5. Determine if the indication is within the MPE for the load applied.
6. Remove the load.
7. Repeat steps 3 to 6 for position 2.
8. Determine whether the instrument has PASSED or FAILED.
9. Record results on the test report.

**Tare Weighing Test**

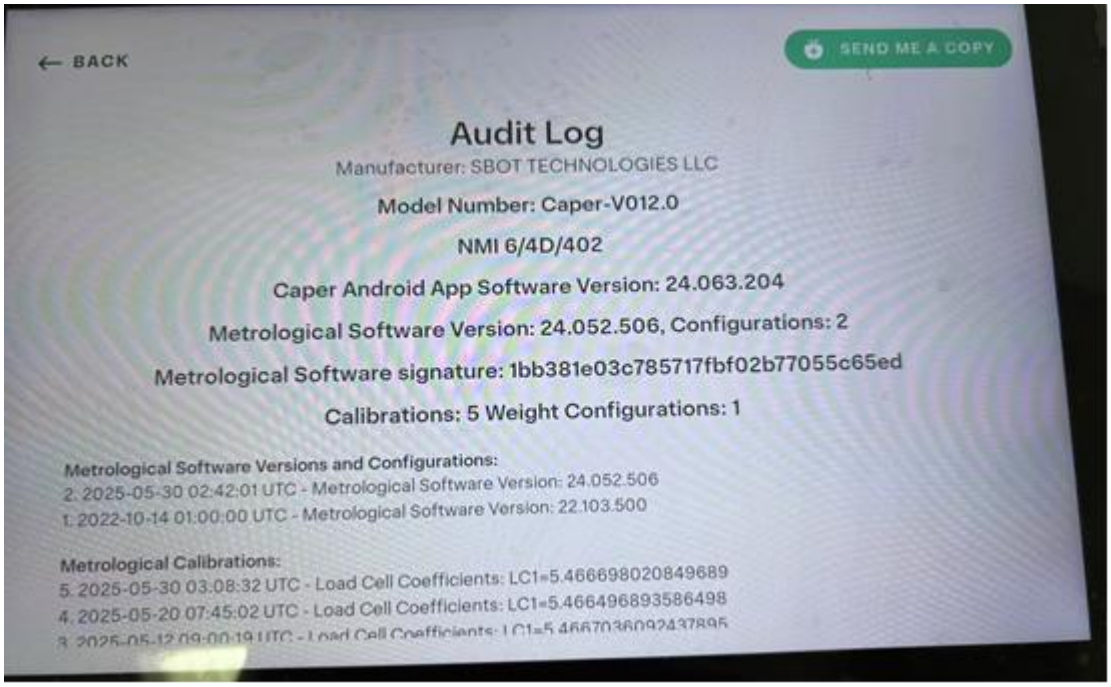
1. Divide the load receptor into two approximately equal segments. Assign numbers to the segments with position 1 and position 2 as shown in the photo above.

2. Zero the instrument (press the ‘ADD ITEM BY NAME OR CODE’ button).
3. Apply a test load of 25 kg at position 1.
4. Select one PLU and press the ‘CONFIRM’ button.
5. Tare off the test load (press the ‘ADD ITEM BY NAME OR CODE’ button).
6. Determine test loads for remaining capacity in accordance with National Instrument Test Procedure (NITP) 6.1 to 6.4, clause 5.4 (Weighing performance).
7. Record these loads on the test report.
8. Apply each load increasing from minimum to full remaining capacity at position 2.
9. Determine if the indication is within the MPE for each load applied (refer to NITP 6.1 to 6.4, clause 4.1 for MPE check).
10. Remove the loads at position 2 in a descending order until the minimum load has been removed.
11. Determine if the indication is within the MPE for each load applied (refer to NITP 6.1 to 6.4, clause 4.1 for MPE check).
12. Empty the cart, clear the transaction records and zero the instrument (press the ‘ADD ITEM BY NAME OR CODE’ button).
13. Apply a test load of 25 kg at position 2.
14. Select one PLU and press the ‘CONFIRM’ button.
15. Tare off the test load (press the ‘ADD ITEM BY NAME OR CODE’ button).
16. Repeat steps 6 to 11 at position 1.
17. Determine whether the instrument has PASSED or FAILED.
18. Record results on the test report.

FIGURE 6/4D/402 – 1

Sbot Technologies CAPER CART 3 Model CAPER-V012.0 Weighing Instrument

FIGURE 6/4D/402 – 2




An Example of Audit Log Screen

FIGURE 6/4D/402 – 3


Location of Descriptive Marking Plate

~ End of Document ~