



# NATIONAL STANDARDS COMMISSION

## WEIGHTS & MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

### REGULATION 9

#### CERTIFICATE OF APPROVAL No 4/5/14

This is to certify that an approval has been granted by the Commission that the pattern and variants of the

Measuremaster Liquor Dispenser

Submitted by Reeve Holdings Pty Ltd,  
62 Whiteman Street,  
South Melbourne, Victoria, 3205,

are suitable for use for trade.

The approval of the pattern and variants is subject to review on or after 31/7/84.

All instruments purporting to comply with this approval shall be marked NSC No 4/5/14.

Relevant drawings and specifications are lodged with the Commission.

Signed

Executive Director

#### Descriptive Advice

Pattern: approved 9/11/79

. Liquor dispenser of 15 mL capacity.

Technical Schedule No 4/5/14 dated 23/11/79 describes the pattern.

Variant: approved 9/9/80

1. With motorised timing mechanism, and known as either Measurematic or Computabar.

Technical Schedule No 4/5/14 Variation No 1 dated 19/9/80 describes variant 1.

Variants: approved 4/6/82

2. The pattern or variant 1 of 30 mL capacity.

3. With an enlarged delivery spout to reduce dispense-refill times.

Technical Schedule No 4/5/14 Variation No 2 dated 5/7/82 describes variants 2 and 3.

5/7/82

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Filing Advice

Certificate of Approval No 4/5/14 dated 19/9/80 is superseded by this Certificate and may be destroyed.

The documentation for this approval now comprises:

Certificate of Approval No 4/5/14 dated 5/7/82  
Technical Schedule No 4/5/14 dated 23/11/79  
Technical Schedule No 4/5/14 Variation No 1 dated 19/9/80  
Technical Schedule No 4/5/14 Variation No 2 dated 5/7/82  
Test Procedure No 4/5/14 Variation No 2 dated 5/7/82



# NATIONAL STANDARDS COMMISSION

## TECHNICAL SCHEDULE No 4/5/14

Pattern: Measuremaster Liquor Dispenser

Submittor: Reeve Holdings Pty Ltd,  
62 Whiteman Street,  
South Melbourne, Victoria, 3205.

Date of Approval: 9/11/79

### Description of Pattern:

The pattern is a plunger-operated push-up type bottle dispenser for the measurement of 15 mL brandy, whisky, vodka, gin or rum. It consists of a measuring chamber and an internal valving arrangement which, when operated by a pivoted member and a timing mechanism, allows a measured quantity of liquor to be dispensed into a container.

A full quantity of liquid is measured by a measuring chamber, sealed by inlet and outlet valves which are operated by an internal timing mechanism. A delivery once started cannot be stopped by the operator and, a delivery having been made, a further delivery cannot be started until the measuring chamber has had sufficient time to refill.

The timing mechanism controls a dispense-refill cycle during a time interval of 7 seconds.

At the commencement of the delivery cycle, which is actuated by the operator raising the plunger, the outlet valve is closed and inlet valve is open. When the plunger is raised the inlet valve closes then the outlet valve opens and remains open for approximately half of the cycle, during which time the delivery of 15 mL of spirit is completed. The outlet valve is then closed and the inlet valve opened, remaining open for the remainder of the cycle, allowing the measuring chamber to fill.

The delivery cycle cannot be recommenced until the full 7 seconds has elapsed and the automatic internal interlocks are released. The operating plunger is rendered inoperative throughout this cycle.

The instrument is sealed with a sealing wire which passes through a

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hole in one of the two instrument-retaining screws (Figure 2).

The instrument chamber is clearly and permanently marked 15 mL.

**Test Procedure:**

**Accuracy Requirements**

Of 10 measurements taken from a bottle approximately 75% full, there must not be more than one measurement which is less than 14,4 mL or greater than 15,6 mL, and the mean of the 10 measurements must be not less than 15 mL.



# NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 4/5/14

VARIATION No 1

Pattern: Measuremaster Liquor Dispenser

Submittor: Reeve Holdings Pty Ltd,  
62 Whiteman Street,  
South Melbourne, Victoria, 3205.

1. Description of Variant

With the air-damped timing mechanism replaced by a motorised, cam-operated, valving mechanism, and known as Measurematic.

The timing mechanism controls a dispense-refill cycle requiring a time interval of 4 seconds.

19/9/80



# NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 4/5/14

VARIATION No 2

Pattern: Measuremaster Liquor Dispenser  
Submitter: Reeve Holdings Pty Ltd,  
62 Whiteman Street,  
South Melbourne, Victoria, 3205.

1. Description of Variants

1.1 Variant 2

With delivery capacity of 30 mL.

The instrument chamber is marked 30 mL or 30 ml.

1.2 Variant 3

With an enlarged delivery spout, see Figure 3, to reduce dispense-refill times to approximately:

Measuremaster - pattern and variant 2 - 4.5 sec (15 mL) 6.5 sec (30 mL)  
Measurematic - variant 1 and variant 2 - 3.5 sec (15 mL) 5.5 sec (30 mL)

TEST PROCEDURE 4/5/14

VARIATION No 2

The Test Procedure given on page 2 of Technical Schedule No 4/5/14 dated 23/11/79 is hereby superseded, and should be deleted.

Accuracy Requirements

Maximum permissible errors are:

- ± 0.6 mL for 15 mL deliveries; and
- ± 1.0 mL for 30 mL deliveries.

The dispenser should measure rum, whisky, gin, vodka or brandy, or a test liquid consisting of a 25% solution of methylated spirits or ethyl alcohol in water, within these maximum permissible errors.



# NATIONAL STANDARDS COMMISSION

## NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 4/5/14

CHANGE No 1

The description of the

- Measuremaster Liquor Dispenser

given in Technical Schedule No 4/5/14 is altered by:

On page 2 of the Technical Schedule, under Accuracy Requirements, adding the paragraph:

If water is used for testing this measure and the measuring bowl fails to drain completely, it will be necessary to add approximately one part alcohol to 3 parts water to reduce the surface tension of the test liquid. Methylated spirits can be used as the source of alcohol.

4/7/80



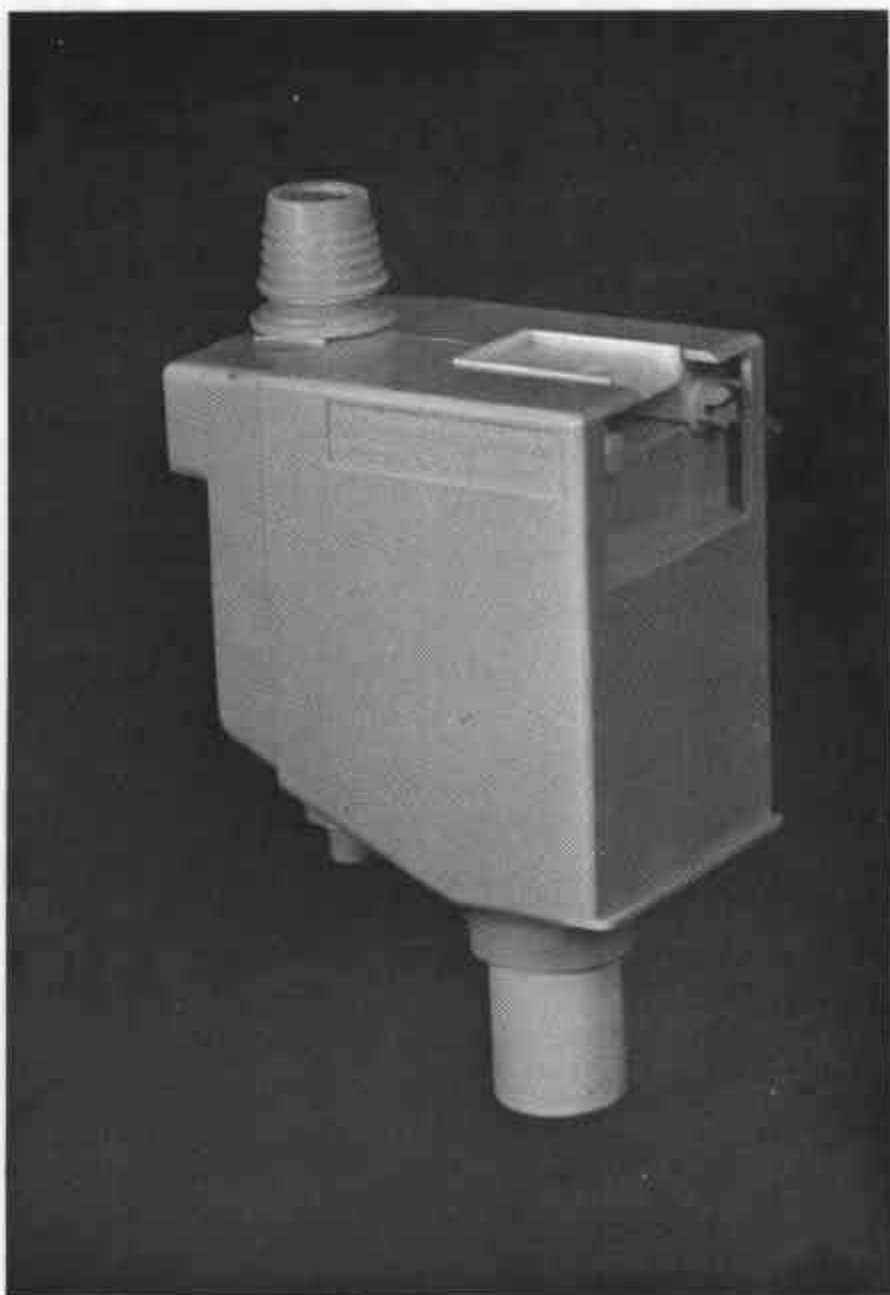
FIGURE 4/5/14 - 1



Measuremaster Liquor Dispenser

23/11/79

FIGURE 4/5/14 - 2



Rear View showing Sealing

23/11/79

FIGURE 4/5/14 - 3



Variant 3 - 30 ml Instrument With Enlarged Delivery Spout

5/7/82