

Weights and Measures (National Standards) Act 1960-1966

Weights and Measures (Patterns of Instruments) Regulations COMMONWEALTH OF AUSTRALIA

NATIONAL STANDARDS COMMISSION

Certificate of Approval

CERTIFICATE NUMBER 5/6A/19

In respect of the pattern of

Epex Self-serve Driveway Flowmeter Model SS/VR and Variants.

Submitted and manufactured by:

Engineering Products Pty. Ltd., 418-428 Burnley Street, Burnley, Victoria. 3121.

This is to certify that the pattern and variants of the instrument illustrated and described in this Certificate have been examined by the National Standards Commission under the provisions of the abovementioned Regulations and have been approved as being suitable for use for trade.

The pattern and variants were approved on 17th November, 1966.

Approval of the pattern and variants was withdrawn and re-approved on 13th July, 1971, as an approval pursuant to No 12 of the abovementioned Regulations.

Approval was granted on condition that all instruments made in conformity with this Certificate:

1. are appropriately marked NSC No 5/6A/19 and, where required by State legislation, with the State approval number also; and

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Cont'd over

2. comply with the General Specifications for Weighing and Measuring Instruments to be Used for Trade, in respect of that part of the instrument which was not previously approved by a State.

This Certificate comprises:

Pages 1 to 5 dated 20th July, 1971. Figures 5/6A/19 - 1 to 5 dated 20th July, 1971.

Pursuant to regulation 12 of the abovementioned Regulations, this Certificate is applicable in the States of Queensland, New South Wales, Victoria, Tasmania and South Australia.

Date of issue 20th July, 1971.

Signed

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A person authorised by the Commission to sign Certificates under the abovementioned Regulations.

*DESCRIPTION OF PATTERN

The pattern is of a modification of an Epex Self-serve Driveway Flowmeter Model SS/VR, approved in Queensland, New South Wales, Victoria and South Australia (see Figure 1). The modification consists of replacing the Epex CT/MCS coin tester and the Epex coin-receiving unit, 2-shilling/20-cent, with an Epex 4-in-1 coin tester Model 666-0 and Epex 4-in-1 coin-receiving unit.

The Epex 4-in-1 coin-receiving unit (see Figure 2) registers the value of 2-shilling, 20-cent, 1-shilling or 10-cent coins accepted by the coin tester. Lights behind 18 circular cut-outs, each cut-out being marked successively with a monetary value from \$0.10 to \$1.80 and the equivalent values in sterling currency, light in accordance with the value of coins accepted by the coin tester. Dimensioned slots, through which coins are inserted into the coin tester, prevent bent coins from being inserted. A reject button causes coins to be returned from the coin tester.

The Epex 4-in-1 coin tester Model 666-0 (see Figures 3 and 4) checks the characteristics of the coins received in the unit from the dimensioned slots in the coin-receiving unit. It accepts only 2-shilling, 1-shilling, 20-cent and 10-cent coins.

The coins received through the coin slots (A and B) drop on to a slide (C) where the 20-cent and 2-shilling coins pass through a pair of toothed wheels (D) which check them for thickness and the presence of a rim. 1-shilling and 10-cent coins drop through the slot (E) and are checked for thickness and presence of a rim by a pair of toothed wheels (F).

After passing these tests the coins pass to the comparator, where their resistivity is compared to a reference metal in the comparator; the reference metal is set for either sterling or decimal currency by a changeover arm (G) operated by the insertion of coins in either the sterling or decimal currency slots.

If the composition of the coin is correct, the comparator relay energises withdrawing-lever (H), allowing the coin to drop down the accept chute. 1-shilling and 10-cent coins operate the 1st-accept microswitch through arm (J), causing the rotary switch in the control unit to advance one

* Approved pursuant to regulation 12.

step. 2-shilling and 20-cent coins operate the 1st-accept microswitch, as for the 10-cent and 1-shilling coins, then, due to their larger diameter, strike the pin on pivot (K), causing the coin to deflect and operate the 2nd-accept microswitch through arm (L). This again causes the rotary switch in the control unit to advance one step. The rotary switch thus advances one step for a 10-cent or 1-shilling coin and two steps for a 20-cent or 2-shilling coin.

Coins held either at the toothed-wheel checks or at the comparator may be retrieved by pressing the reject button. This opens the side of the coin tester, allowing the coins to drop into the reject chute.

The reject relay closes the accept chute and opens the reject chute when:

- (a) the level of the liquid in the supply tank has reached a level at which there is insufficient liquid for a delivery;
- (b) the value of coins accepted is \$1.80;
- (c) the computer is not reset to zero; or
- (d) manual operation is selected.

DESCRIPTION OF VARIANTS

- *1. Fitted with a 2-in-1 coin-receiving unit (see Figure 5) and a 2-in-1 coin tester Model 666-75. The 2-in-1 coin-receiving unit and coin tester are similar to the 4-in-1 units, except that they only accept 2-shilling and 20-cent coins. The 10-cent and 1-shilling gate and the associated rim-checking toothed wheels are omitted.
- *2. Variant 2, which is applicable only in the State of Tasmania, is a modification of the Epex Self-serve Driveway Flowmeter SS1. The modification replaces the Epex computer Model SSA with a Veeder-Root 1611 computer or Veeder-Root 1613 computer modified as described in Certificate No 5/6A/9, and replaces the Epex CT/MCS coin tester and Epex coin-receiving unit 2-shilling/20-cent, with the 4-in-1 coin-receiving unit and 4-in-1 coin tester Model 666-0 as described in the pattern or

^{*} Approved pursuant to regulation 12. 20/7/71

with the 2-in-1 coin-receiving unit and 2-in-1 coin tester Model 666-75 as described in variant 1. The driveway flowmeter is then known as a Model SS/VR.

3. The coin-receiving unit and coin tester in any State-approved pattern* or Commission-approved pattern of a self-serve driveway flowmeter replaced by the coin-receiving unit and coin tester as described in the pattern or variant 1.

GENERAL NOTES

Notice of approval of the pattern and variants described in this Certificate was given in Memorandum of Approval No 35 dated 17th November, 1966.

Variant 2 converts the SS1 Driveway Flowmeter, as approved in the State of Tasmania, to an SS/VR Driveway Flowmeter, which was not previously approved by the State.



FIGURE 5/6A/19 - 2



Epex 4-in-1 Coin-receiving Unit

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Epex 4-in-1 Coin Tester, Model 666-0



FIGURE 5/6A/19 - 4



Epex 4-in-1 Coin Tester, Model 666-0 — Schematic Diagram 20/7/71

FIGURE 5/6A/19 - 5



Epex 2-in-1 Coin-receiving Unit

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