

National Standards Commission



Supplementary Certificate of Approval

No S101A

Issued under Regulation 9
of the
National Measurement (Patterns of Instruments) Regulations

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

Production Engineering Model Retron 80 Driveway Flowmeter Indicator

submitted by Production Engineering (Aust.) Pty Ltd
Suite 403
270 Pacific Highway
Crows Nest NSW 2065.

Signed and sealed by a person authorised
under Regulation 9 of the National
Measurement (Patterns of Instruments)
Regulations to exercise the powers and
functions of the Commission under this
Regulation.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/6/95.

This approval expires in respect of new instruments on 1/6/96.

Instruments purporting to comply with this approval shall be marked NSC No S101A and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S101A in addition to the approval number of the instrument.

It is the submittor's responsibility to ensure that all instruments marked with the approval number are constructed as described in the drawings and specifications lodged with the Commission 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 the Commission's Document 106.

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

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

DESCRIPTIVE ADVICE

Pattern: approved 21/5/90

- A Production Engineering model Retron 80 electronic driveway flowmet indicator.

Technical Schedule No S101A describes the pattern.

FILING ADVICE

The documentation for this approval comprises.

Supplementary Certificate of Approval No S101A dated 12/11/90
Technical Schedule No S101A dated 12/11/90 (incl. Test Procedure)
Figures 1 and 2 dated 12/11/90



National Standards Commission

TECHNICAL SCHEDULE No S101A

Pattern: Production Engineering Model Retron 80 Driveway Flowmeter Indicator.

Submittor: Production Engineering (Aust.) Pty Ltd
Suite 403
270 Pacific Highway
Crows Nest NSW 2065.

1. Description of Pattern

A Production Engineering model Retron 80 electronic price-computing indicator (Figure 1) for use in compatible Commission-approved driveway flowmeters. Instruments are approved with or without preset facility.

Instruments may be used in attendant-operated, locally-authorised or remotely-authorised applications; in the latter case, only when connected to a Commission-approved Production Engineering console or to any console Commission-approved for use with the Retron 80 indicator.

1.1 Indicator Display

The indicator uses 3 separate liquid crystal displays which indicate the price, volume and unit price respectively.

Price	Up to \$999.99 in \$0.01 increments
Volume	Up to 999.99 L in 0.01 L increments
Unit price	Up to 999.9 c/L in 0.1 c increments

1.2 Unit Price Setting

Unit price setting is by means of a button on the terminal box cover, directly below the Retron 80 displays on the side opposite the totalisers. After a unit price change, the indicator should be reset and any previous transaction details cleared, by removing the nozzle from its hang-up.

1.3 Markings

Instruments are marked with the following data, together in one location:

Manufacturer's name or mark
Model number
Serial number
Approval number

S101A

1.4 Verification Provision

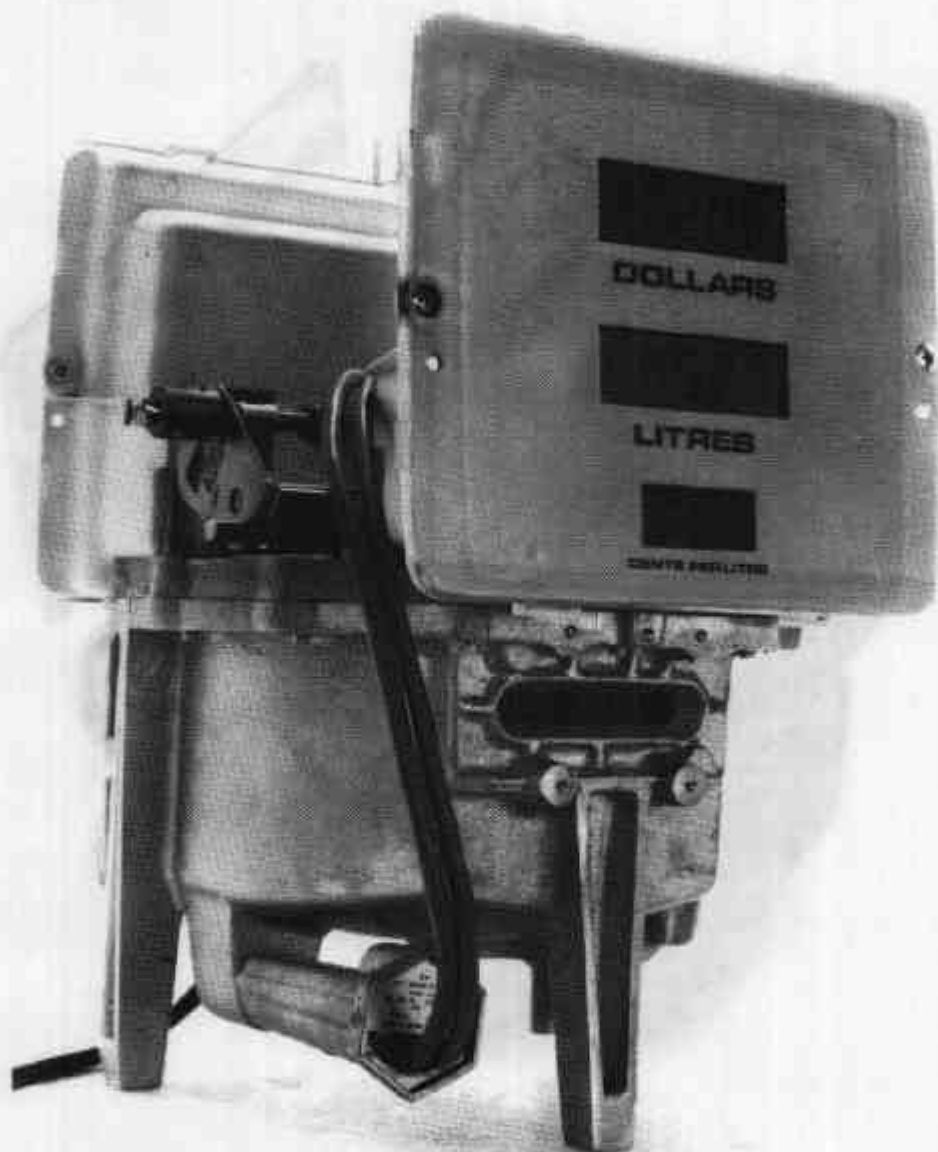
Provision is made for a verification mark to be applied.

TEST PROCEDURE

Instruments shall be tested in conjunction with any tests specified in the approval documentation for the instrument to which the pattern is connected, as appropriate, and in accordance with any relevant tests specified in the Inspector's Handbook.

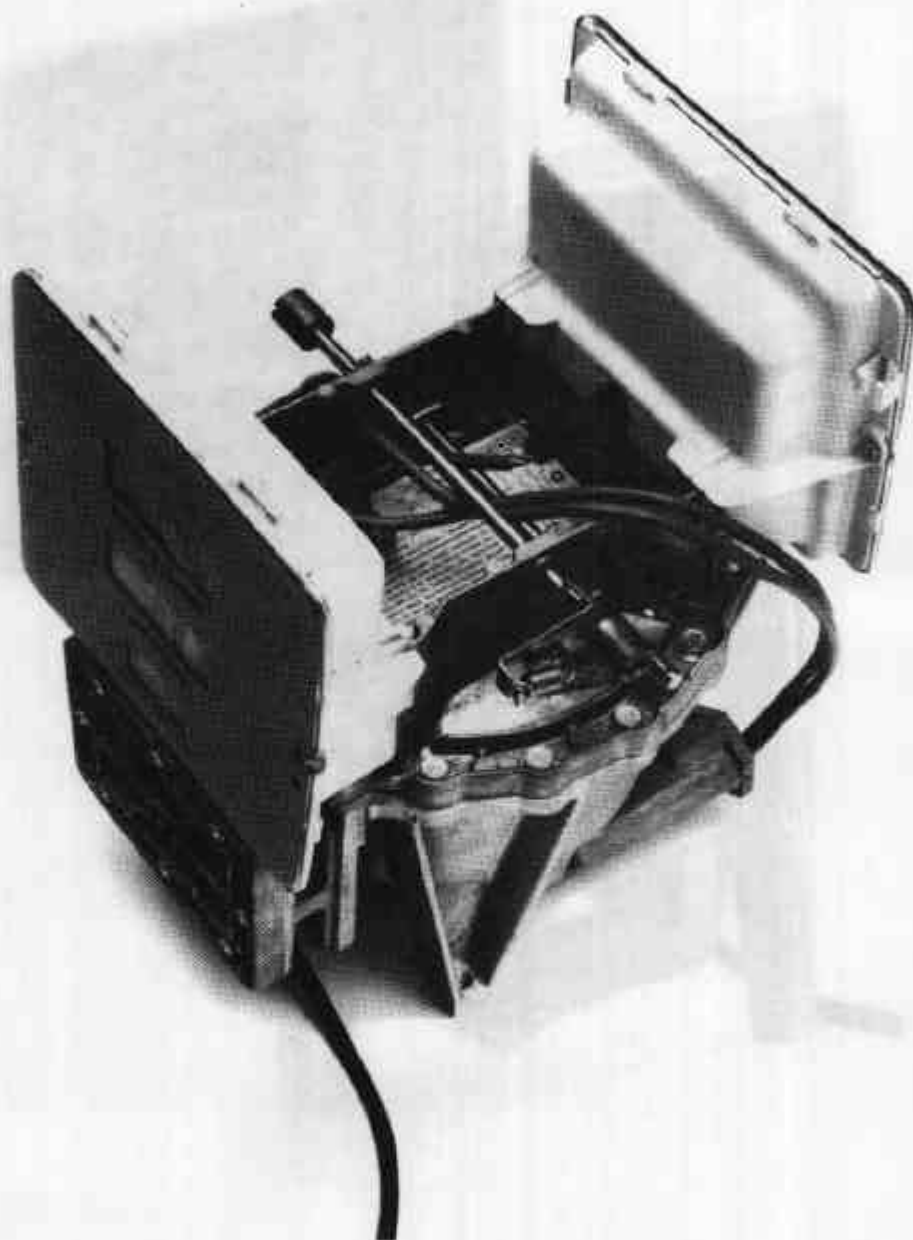
The maximum permissible errors applicable are those applicable to the system to which the instrument approved herein is fitted, as stated in the approval documentation for the system.

FIGURE S101A - 1



Retron 80 Driveway Flowmeter Indicator

FIGURE S101A - 2



Retron 80 Driveway Flowmeter Indicator