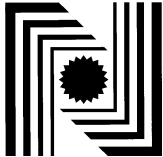
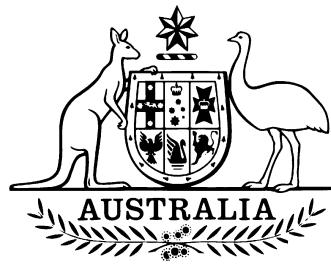


S100A
14 November 2001



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Cancellation Supplementary Certificate of Approval

No S100A

Issued under Regulation 60
of the
National Measurement Regulations 1999

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

Gilbarco Model T350CH Calcopac Driveway Flowmeter Indicator

submitted by Gilbarco Aust. Ltd
12-38 Talavera Road
North Ryde NSW 2113

has been cancelled in respect of new instruments as from 1 December 2001.

Signed by a person authorised under Regulation 60
of the National Measurement Regulations 1999 to
exercise the powers and functions of the Commission
under this Regulation.

National Standards Commission



Supplementary Certificate of Approval

No S100A

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

Gilbarco Model Calcopac T350CH Driveway Flowmeter Indicator

submitted by Gilbarco Aust. Ltd
12-38 Talavera Rd
North Ryde NSW 2113

This Certificate is issued upon completion of a review of NSC approval No S100.

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.

A handwritten signature in black ink, appearing to read 'J. Birch'. The signature is written in a cursive style with a large initial 'J'.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/3/96.
This approval expires in respect of new instruments on 1/3/97.

Instruments purporting to comply with this approval shall be marked NSC No S100A and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S100A in addition to the approval number of the instrument.

It is the submitter's responsibility to ensure that all instruments marked with this 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 12/2/91

A Gilbarco model Calcopac T350CH electronic price-computing driveway flowmeter indicator.

Variant: approved 12/2/91

1. Certain other Calcopac T350 models, identified by the suffixes CA, CB and CC.

Technical Schedule No S100A describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S100A dated 22/3/91
Technical Schedule No S100A dated 22/3/91 (incl. Test Procedure)
Figure 1 dated 22/3/91



National Standards Commission

TECHNICAL SCHEDULE No S100A

Pattern: Gilbarco Model Calcopac T350CH Driveway Flowmeter Indicator

Submittor: Gilbarco Aust. Ltd
12-38 Talavera Rd
North Ryde NSW 2113

1. Description of Pattern

A Gilbarco model Calcopac T350CH electronic price-computing indicator (Figure 1) for use in compatible Commission-approved driveway flowmeters.

1.1 Features

- (a) Instruments may be used in attendant-operated, locally-authorized or remotely-authorized applications; in the latter case, only when connected to a Commission-approved Gilbarco control console or to any control console Commission-approved for use with this Calcopac indicator.

Communication with a console is via a 2-wire loop system.

These instruments shall not be used with central unit price setting facilities.

- (b) Instruments are approved with or without preset facility. When fitted with preset, instruments shall only be used with Commission-approved Gilbarco driveway flowmeters.
- (c) The maximum input shaft rotation ratio is 4.0 ± 0.2 rev/litre.

1.2 Indicator Display

The indicator uses 3 separate electro-mechanical displays to indicate price, volume and unit price.

Price	Up to \$999.99 in \$0.01 increments
Volume	Up to 999.99 L in 0.01 L increments
Unit Price	From 0.5 to 999.9 c/L in 0.1 c increments

A totaliser indicator is located on the top left corner of the computer display face. The totaliser may be set up to indicate:

Whole dollars up to \$9999999 or whole litres up to 9999999 L

1.3 Unit Price Setting

Unit price setting is by means of price-setting thumbwheels located on both sides of the indicator. Changing the unit price on one side also changes the unit price on the other side.

1.4 Markings

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

Manufacturer's name or mark	
Model number	
NSC approval number	NSC No S100A
Serial number	
Operating temperature range	-10°C to +45°C

1.5 Verification Provision

Provision is made for a verification mark to be applied

2. Description of Variant 1

Certain other Calcopac T350 models, identified by the suffixes CA, CB and CC, and as detailed below.

(i) Model T350CA

- Unit price to either 99.9 c/L or 499.9 c/L or 999.9 c/L in 0.1 c increments
- Instruments capable of unit price setting to 99.9 c/L or 499.9 c/L have a self-test facility using the left-hand price wheel.
- Unit price setting thumbwheels are not linked, so until the price is the same on both sides, the indicator will not accept a new price change and a delivery cannot be made.
- Method of communication with a console depends on the console used.
- A "roll over protection limit" of \$998 on total price.

(ii) Model T350CB

- As per the model T350CA but with a "roll over protection limit" of \$99 or \$998 on total price.

(iii) Model T350CC

- As per the model T350CA but with communication with a console via a 2-wire loop system.

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, and for the control console (where used), 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.

National Standards Commission



Notification of Change Supplementary Certificate of Approval No S100A Change No 1

The following changes are made to the approval documentation for the

Gilbarco Model Calcopac T350CH Driveway Flowmeter Indicator

submitted by Gilbarco Aust. Ltd
 12-38 Talavera Road
 North Ryde NSW 2113.

In Supplementary Certificate of Approval No S100A dated 22 March 1991;

1. The Condition of Approval referring to the review of the approval should be amended to read:

This approval becomes subject to review on 1 March 1996, and then every 5 years thereafter.

2. The Condition of Approval referring to the expiry of the approval should be deleted.

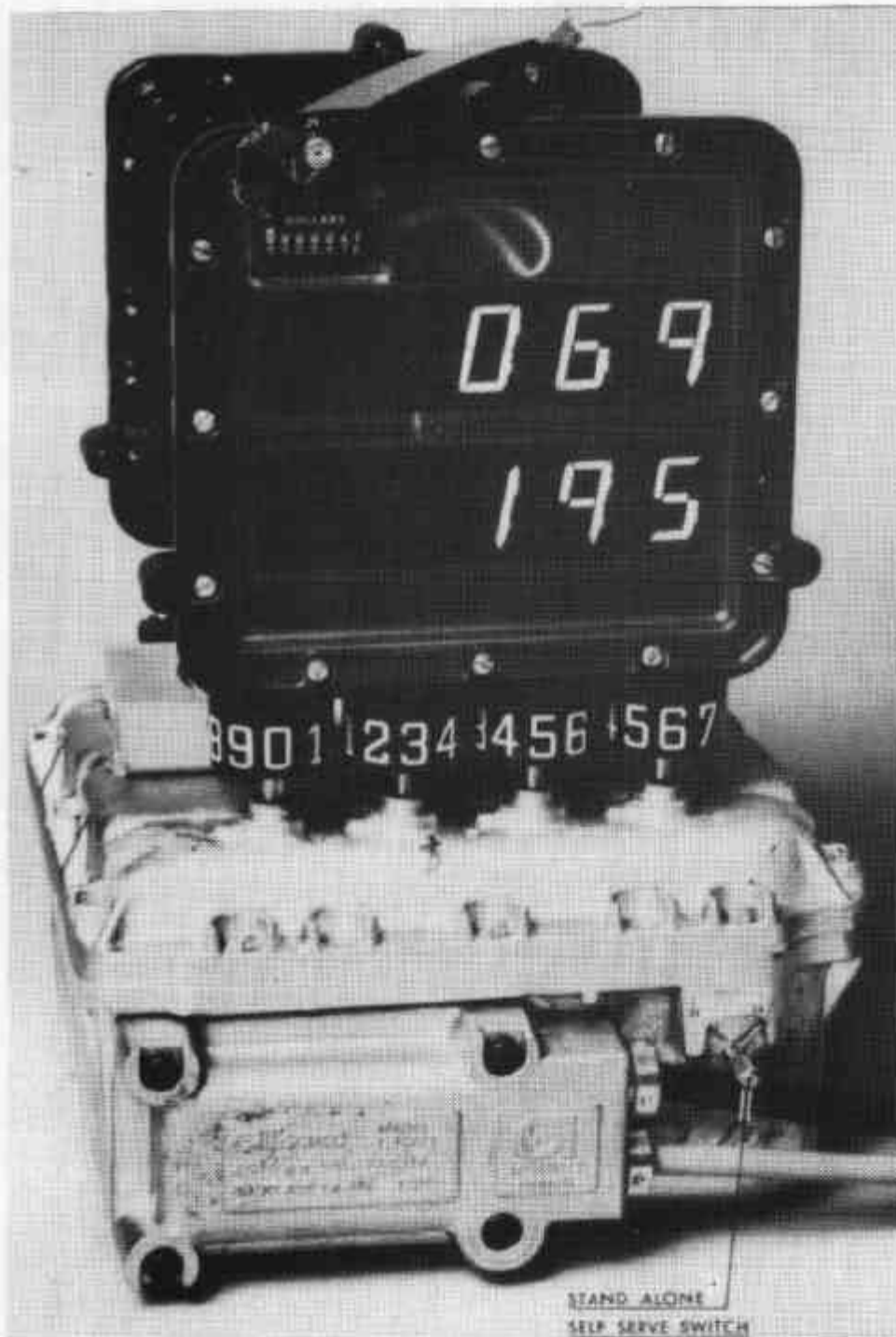
Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

APPROVAL No

PATTERN

5/6A/78A	Model T095 Driveway Flowmeter
5/6A/80A	Model T095AS700 Driveway Flowmeter
S100A	Model T350CH Driveway Flowmeter Indicator
S158A	Model 102-ZVG1.3 LPG Driveway Flowmeter Nozzle
S246	Model T24 Driveway Flowmeter Control Console
S260	Model T176A Driveway Flowmeter Interface Module

FIGURE S100A - 1



Gilbarco Model T350CH Driveway Flowmeter Indicator