

National Standards Commission



Supplementary Certificate of Approval

No S261

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

Email Model System Marketer 2000 Driveway Flowmeter Control System

submitted by Email Electronics
Cnr Canterbury and Liverpool Roads
Kilsyth VIC 3137.

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. B. ...'.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/12/94.

This approval expires in respect of new instruments on 1/12/95.

Instruments purporting to comply with this approval shall be marked NSC No S261 and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S261 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 Certificates Nos S1/0 and/or S2/0, as appropriate.

Special:

Instruments may only be used for central unit price setting of driveway flowmeters which have been Commission-approved with that facility.

DESCRIPTIVE ADVICE

Pattern: approved 7/11/89

- An Email model System Marketer 2000 driveway flowmeter control system.

Technical Schedule No S261 describes the pattern.

Variant: approved 27/2/91

1. For use with certain Gilbarco driveway flowmeters and driveway flowmeter indicators.

Technical Schedule No S261 Variation No 1 describes variant 1.

FILING ADVICE

Supplementary Certificate of Approval No S261 dated 6/4/90 is superseded by this Certificate and may be destroyed. The documentation for this approval now comprises:

Supplementary Certificate of Approval No S261 dated 16/4/91
Technical Schedule No S261 dated 6/4/90 (incl. Test Procedure)
Technical Schedule No S261 Variation No 1 dated 16/4/91
Figures 1 to 3 dated 6/4/90



National Standards Commission

TECHNICAL SCHEDULE No S261

Pattern: Email Model System Marketer 2000 Driveway Flowmeter Control System.

Submittor: Email Electronics
Cnr Canterbury and Liverpool Roads
Kilsyth VIC 3137.

1. Description of Pattern

The pattern is an Email model System Marketer 2000 control system which may be used in a Commission-approved driveway flowmetering system incorporating up to 24 Email driveway flowmeters.

The system includes a control console (Figure 1) with an input/output box and may include up to 4 point of sale (POS) terminals (Figure 2), which incorporate a printer for the vendor's record and purchaser's receipt.

1.1 Features

The system facilities include:

- a vendor's indicator and a remote purchaser's Indicator (Figure 3);
- a pump status light;
- a facility for centrally setting the unit price of up to 9 grades of fuel or any other product, with 2 price schedules per grade of product;
- a magnetic card reading facility, which is used to perform managerial functions;
- a preset facility, which may be used for prepay or postpay operations;
- a pump stop and all pumps emergency stop facility; and
- a dual-memory facility.

1.2 Point of Sale Facility

The console incorporates point of sale (POS) terminal facilities and these shall not interact with the console in any way which would cause an incorrect indication of the measured volume or price.

1.3 Display Check

Segment checks are available for both the console and remote purchaser's indicator and may be executed through the service or manager functions facility.

1.4 Dual-memory Facility

This facility allows two purchasers to operate simultaneously i.e. a second transaction may be carried out while a previous transaction which has not yet been completed is retained in memory.

1.5 Verification Provision

Provision is made for a verification mark to be applied.

1.6 Markings

The console is marked with the following data, together in one location:

Manufacturer's name or mark	
Model number	
NSC approval number	NSC No S261
Serial number	
Operating (air) temperature range	0°C – 40°C

TEST PROCEDURE

Instruments should be tested in accordance with any tests included in the approval documentation for the driveway flowmeter/s 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 pattern is connected, as stated in the approval documentation for the system.

1. Postpay Mode (Including dual-memory test)

- (i) At any driveway flowmeter, remove a nozzle from its hang-up position, authorise the flowmeter at the console, and then deliver sufficient fuel to cause the price and quantity indicators to move significantly off zero. Stop the flowmeter by returning the nozzle to its hang-up; the details of the transaction will be transferred to the STORED column on the console.
- (ii) Check that the price and volume displayed at the console are the same as the price and volume recorded from the driveway flowmeter.
- (iii) At the same flowmeter, perform another delivery as per (i) above.
- (iv) At the console check that the details of the first transaction are now displayed in the STORED column and that the details of the last transaction are displayed in the LATEST column.
- (v) Attempt to authorise a third delivery from the same flowmeter; this should not be possible.
- (vi) Complete the transactions. Check that both STATUS and STORED columns are now clear.
- (vii) Repeat steps (i) to (vi) for a number of driveway flowmeters.



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TECHNICAL SCHEDULE No S261

VARIATION No 1

Pattern: Email Model System Marketer 2000 Driveway Flowmeter Control System.

Submittor: Email Electronics
Cnr Canterbury and Liverpool Roads
Kilsyth VIC 3137.

1. Description of Variant 1

For use with any of the Commission-approved Gilbarco driveway flowmeters or driveway flowmeters fitted with any of the Gilbarco indicators listed below:

Multi-product model T077, T078, T087 or T088 driveway flowmeters
Electroline-type indicators
Highline - T080 series indicators

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NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No S261

CHANGE No 1

The following change is made to the approval documentation for the

Email Model System Marketer 2000 Driveway Flowmeter Control System

submitted by Email Electronics
88-94 Canterbury Road
Kilsyth VIC 3175.

In Certificate of Approval No S261 dated 16 April 1991, the Condition of Approval referring to the expiry of the approval should be amended to now read:

"This approval expires in respect of new instruments on 1 December 1996."

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring 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'.

Figure 5261 - 1



System Marketer 2000 Control Console

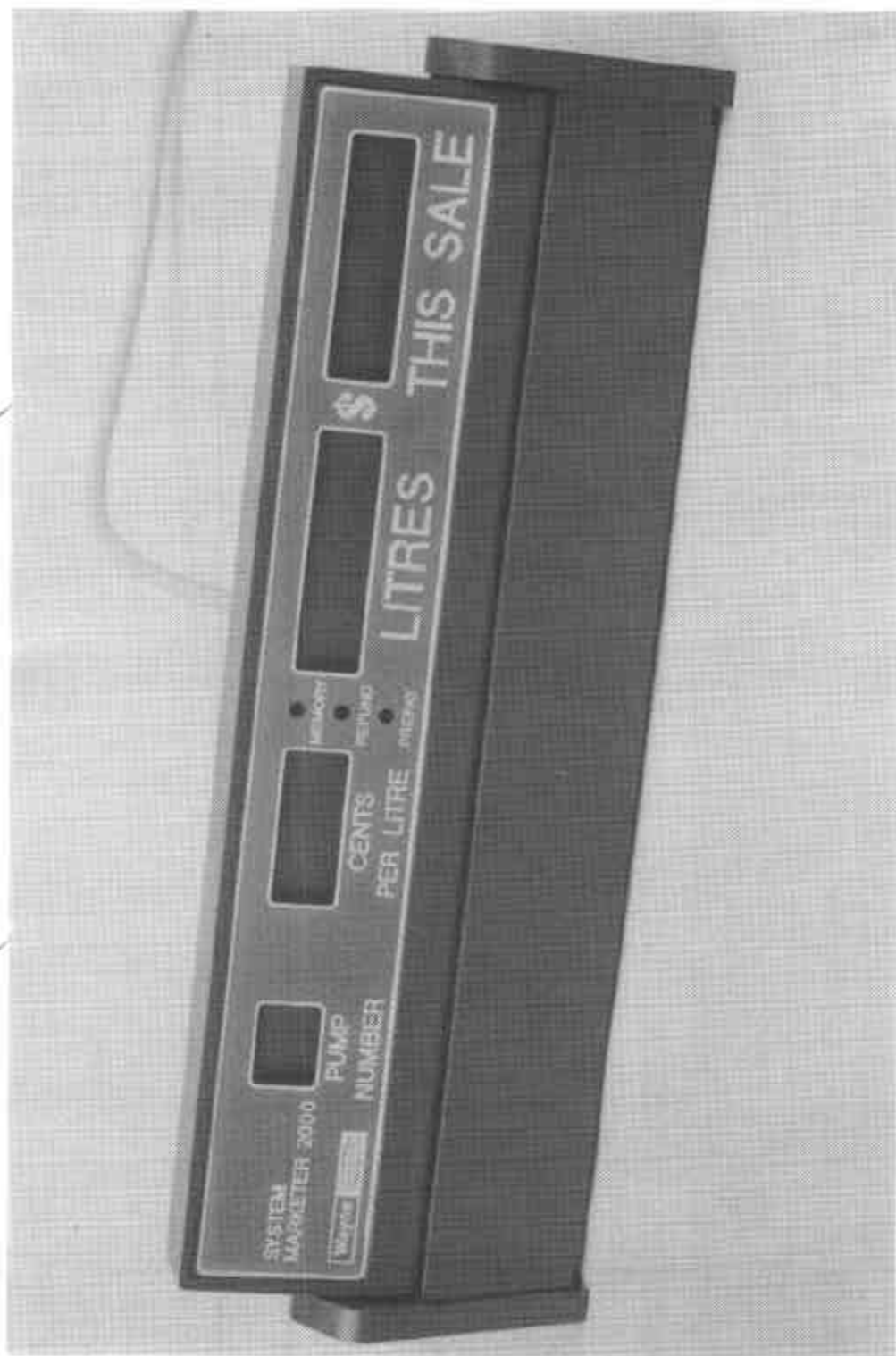
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Figure S261 - 2



Point of Sale Terminal

Figure S261 - 3



Purchaser's Indicator

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