



S227  
27/10/87

## NATIONAL STANDARDS COMMISSION

### NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

#### REGULATION 9

#### SUPPLEMENTARY CERTIFICATE OF APPROVAL No S227

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

Email Model Mk III Driveway Flowmeter Control Console

submitted by      Email Limited  
                         Electronic & Petroleum Equipment Division  
                         Canterbury Road  
                         Kilsyth      Vic      3137.

#### CONDITIONS OF APPROVAL

##### General:

This approval is subject to review on or after 1/7/92.

This approval expires in respect of new instruments on 1/7/93.

Instruments purporting to comply with this approval shall be marked NSC No S227.

This approval may be withdrawn if instruments are constructed other than as described in the drawings and specifications lodged with the Commission.

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:

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

Signed

Executive Director

#### Descriptive Advice

Pattern:              approved 12/6/87

-              Email model Mk III driveway flowmeter control console for use in any Commission-approved Email driveway flowmeter system.

Technical Schedule No S227 describes the pattern.

#### Filing Advice

The documentation for this approval comprises:

Supplementary Certificate of Approval No S227 dated 27/10/87  
Technical Schedule No S227 dated 27/10/87  
Test Procedure No S227 dated 27/10/87  
Figure 1 dated 27/10/87



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## TECHNICAL SCHEDULE No S227

Pattern: Email Model Mk III Driveway Flowmeter Control Console

Submittor: Email Limited  
Electronic & Petroleum Equipment Division  
Canterbury Road  
Kilsyth Vic 3137

### 1. Description of Pattern

The pattern is an Email model Mk III control console (Figure 1) for use in any Commission-approved Email driveway flowmeter system. The console may be used with up to 16 Email driveway flowmeters and with other facilities including:

- a vendor's indicator and a remote purchaser's indicator;
- central unit price setting (refer to the Conditions of Approval);
- self-evident error detection;
- preset facility which may be used for prepay or postpay transactions;
- all approved versions of Email driveway card acceptors; and
- Email model Multipro-C driveway flowmeter communication convertor.

#### 1.1 Remote Purchaser's Indicator

This is located near the control console and repeats the control console indications when the system is in postpay mode.

#### 1.2 Markings

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

Manufacturer's name or mark  
Serial number  
Model number  
NSC approval number S227

#### 1.3 Verification Provision

Provision is made for a verification mark to be applied.



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## TEST PROCEDURE No S227

The following tests should be conducted in conjunction with any tests specified in the approval documents for the driveway flowmeters to which this instrument is connected.

### 1. Postpay Mode

At the console, authorise one or more driveway flowmeters.

- (i) Deliver sufficient liquid to cause the price and volume indicators to move significantly off zero.
- (ii) Stop the pump motor by returning the nozzle to its hang-up position.
- (iii) Remove the nozzle from its hang-up position and check that the computer does not reset to zero and that the pump motor does not start.
- (iv) At the console, check that the price and volume displayed are the same as the price and volume recorded from the driveway flowmeter.
- (v) Repeat steps (i) to (iv) for a number of driveway flowmeters.

### 2. Prepay Mode

- (i) Conduct a suitable prepay test on one or more driveway flowmeters. Observe that the flowmeter stops at the preset value, and that when the nozzle is hung-up, the corresponding red status LED is not illuminated.
- (ii) For a partially completed delivery, observe that when the nozzle is hung-up, the corresponding red status LED flashes slowly, and the driveway flowmeter cannot be authorised for at least three minutes after the nozzle has been hung-up.
- (iii) If there is a driveway flowmeter on site to which a preset panel and indicator are not fitted and/or there is no remote purchaser's indicator connected, attempt to authorise a prepay delivery at the console. This should not be possible.

NOTE: Prepay will not operate on driveway card acceptor controlled flowmeters.

### 3. Central Unit Price Setting (where applicable)

- (i) Conduct a price change for one or more grades of fuel. Observe that the displays on the corresponding driveway flowmeter blank for one minute after the price change, and that the driveway flowmeter cannot be authorised during this period.
- (ii) Attempt to change the price of a grade of fuel whilst a delivery is in progress. This should not be possible.



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## NOTIFICATION OF CHANGE

### SUPPLEMENTARY CERTIFICATE OF APPROVAL No S227

#### CHANGE No 1

The following change is made to the approval documentation for the

Email Model Mk III Driveway Flowmeter Control Console

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

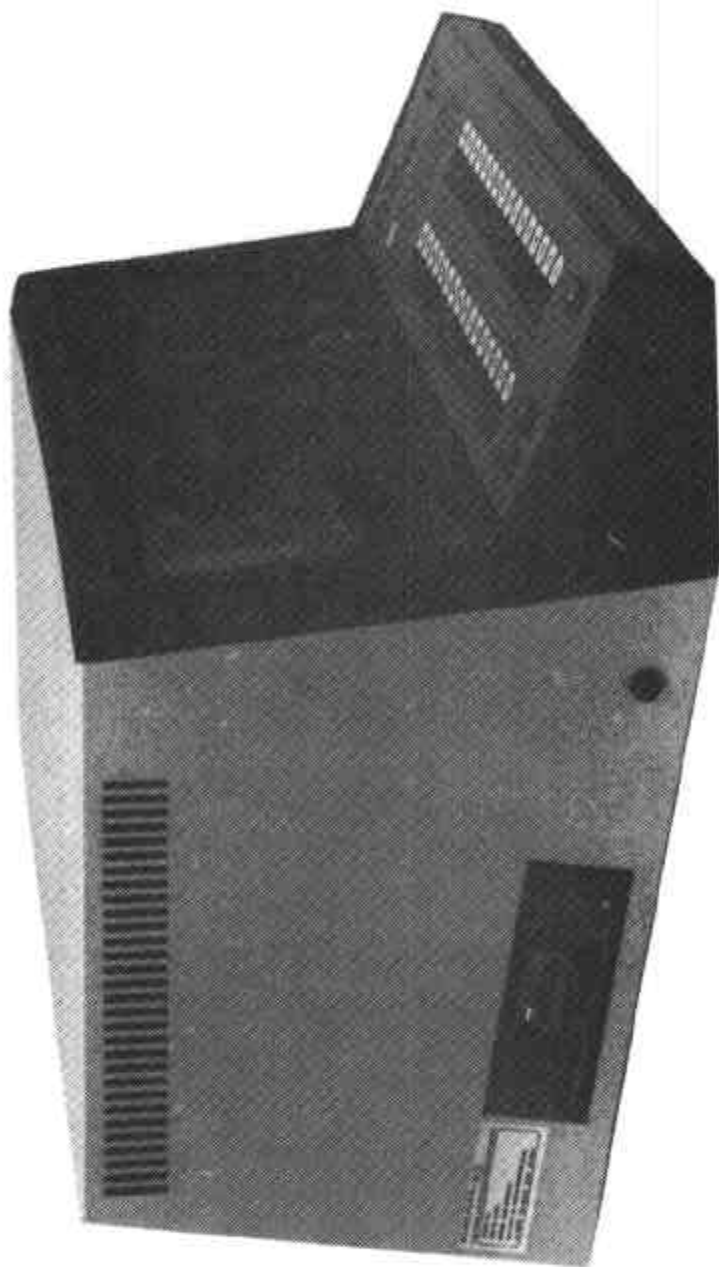
In Technical Schedule No S227 dated 27/10/87, amend clause 1.1 Remote Purchaser's Indicator by deleting "... when the system is in postpay mode".

Signed

A handwritten signature in dark ink, appearing to read 'J. Birch'.

Executive Director

FIGURE S227 - 1



Emul Mk III Console