

## National Standards Commission



### Supplementary Certificate of Approval

#### No S213A

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

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

Email Model Multipro-C Driveway Flowmeter Communication Interface

submitted by Email Electronics  
88 - 94 Canterbury Road  
Kilsyth VIC 3137.

This certificate is issued upon completion of a review of NSC approval No S213.

#### CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/9/97.

This approval expires in respect of new instruments on 1/9/98.

Instruments purporting to comply with this approval shall be marked NSC No S213A and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S213A in addition to the approval number of the instrument.

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

It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation 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.

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

### DESCRIPTIVE ADVICE

**Pattern:** approved 4/8/92

- An Email model Multipro-C communication interface for use in a Commission-approved driveway flowmetering system with an Email model Epitronic Mk II control console and with up to 16 Email driveway flowmeters which are fitted with Email model Eclipse indicators.

**Variants:** approved 4/8/92

1. With Gilbarco Electroline series driveway flowmeters or driveway flowmeters which are fitted with Gilbarco Calcopac series indicators.
2. Model Multipro-E communication interface for use with a Gilbarco model T11 or T11-5 control console.

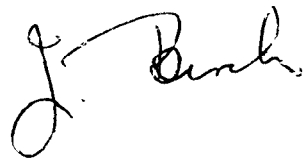
Technical Schedule No S213A describes the pattern and variants 1 and 2.

### FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S213A dated 24/12/92  
Technical Schedule No S213A dated 24/12/92 (incl. Test Procedure)  
Figures 1 to 3 dated 24/12/92

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.





## National Standards Commission

### TECHNICAL SCHEDULE No S213A

**Pattern:** Email Model Multipro-C Driveway Flowmeter Communication Interface.

**Submitter:** Email Electronics  
88 - 94 Canterbury Road  
Kilsyth VIC 3137.

#### 1. Description of Pattern

The pattern is an Email model Multipro-C communication interface for use in a Commission-approved driveway flowmetering system with certain Commission-approved Email driveway flowmeters and control equipment.

##### 1.1 Features

The Multipro-C communication interface (Figure 1) is used with the following:

- (a) Up to 16 Commission-approved Email driveway flowmeters which are approved for use in remotely-authorized applications and which are fitted with Email model Eclipse indicators (as described in the documentation of NSC approval No S110A); and
- (b) An Email model Epitronic Mk II control console (as described in the documentation of NSC approval No S234).

##### 1.2 Operation

The Multipro-C allows all normal operation of the above equipment in remotely-authorized applications, with the exception that pre-paid transactions are not permitted.

##### 1.3 Markings

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

Manufacturer's name or mark  
Serial number  
Model name or number  
NSC approval number NSC No S213A

##### 1.4 Verification/Certification Provision

Provision is made for a verification/certification mark to be applied.

## **2. Description of Variants**

### **2.1 Variant 1**

With Commission-approved Gilbarco Electroline series driveway flowmeters or Commission-approved driveway flowmeters which are fitted with Gilbarco Calcopac series indicators (as described in the documentation of NSC approval No S100A), and which are approved for use in remotely-authorised applications.

These flowmeters may be used in lieu of some or all of the 16 flowmeters of the pattern (Figure 2).

### **2.2 Variant 2**

Model Multipro-E communication unit for use with a Commission-approved Gilbarco model T11 or T11-5 control console.

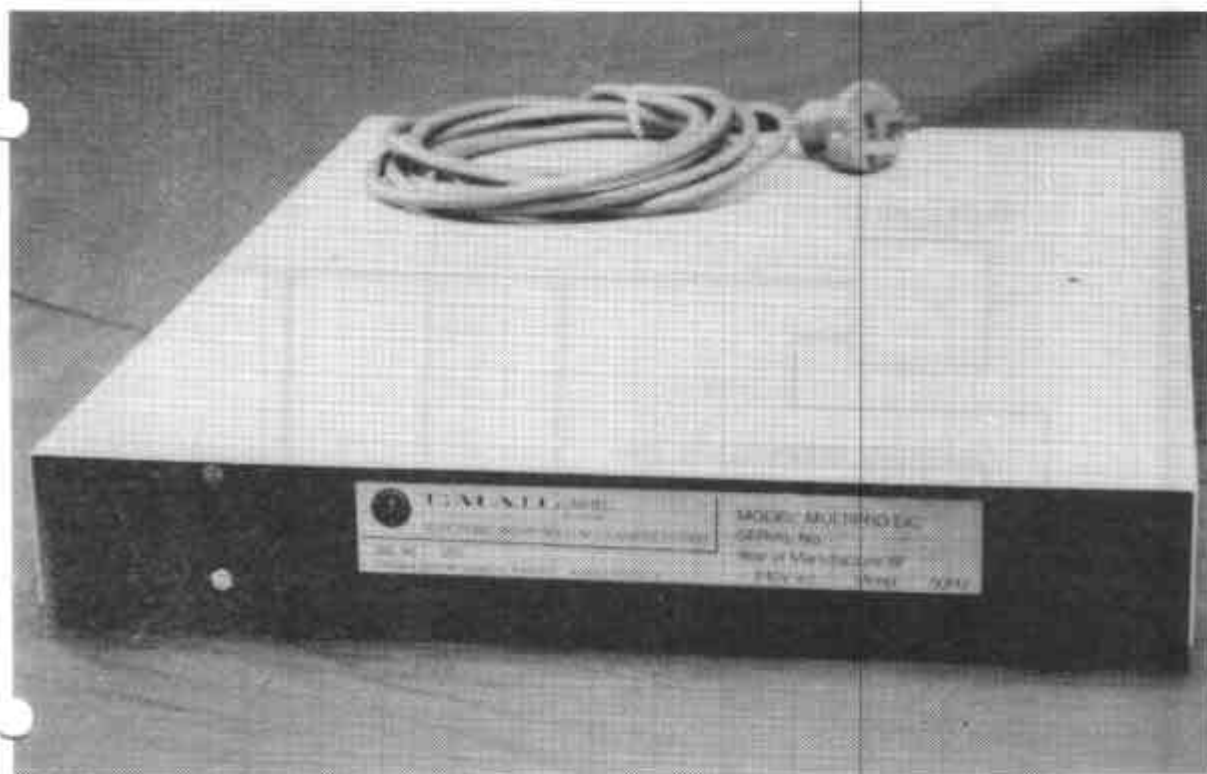
Up to 12 of the driveway flowmeters described for use with the pattern and variant 1 may be used (Figure 3).

## **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.

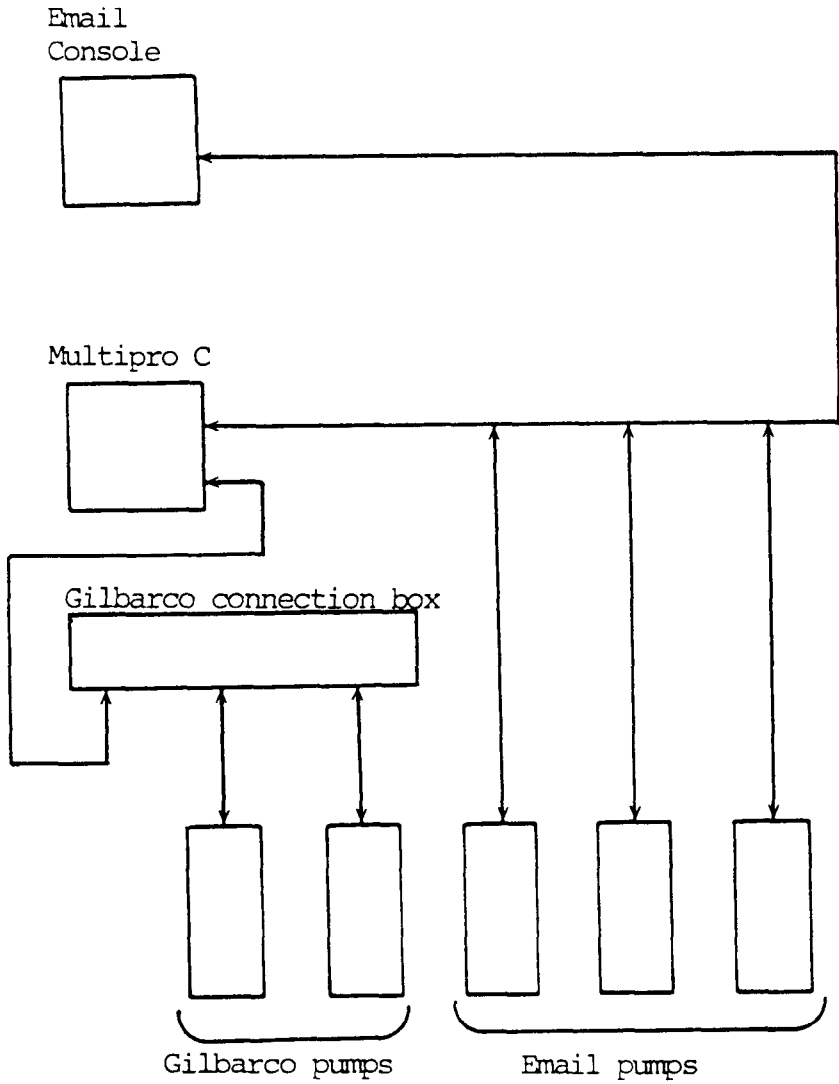
The maximum permissible errors applicable are those applicable to the system to which the instrument approved herein is fitted, as stated in the approval documentation for the system.

FIGURE S213A - 1



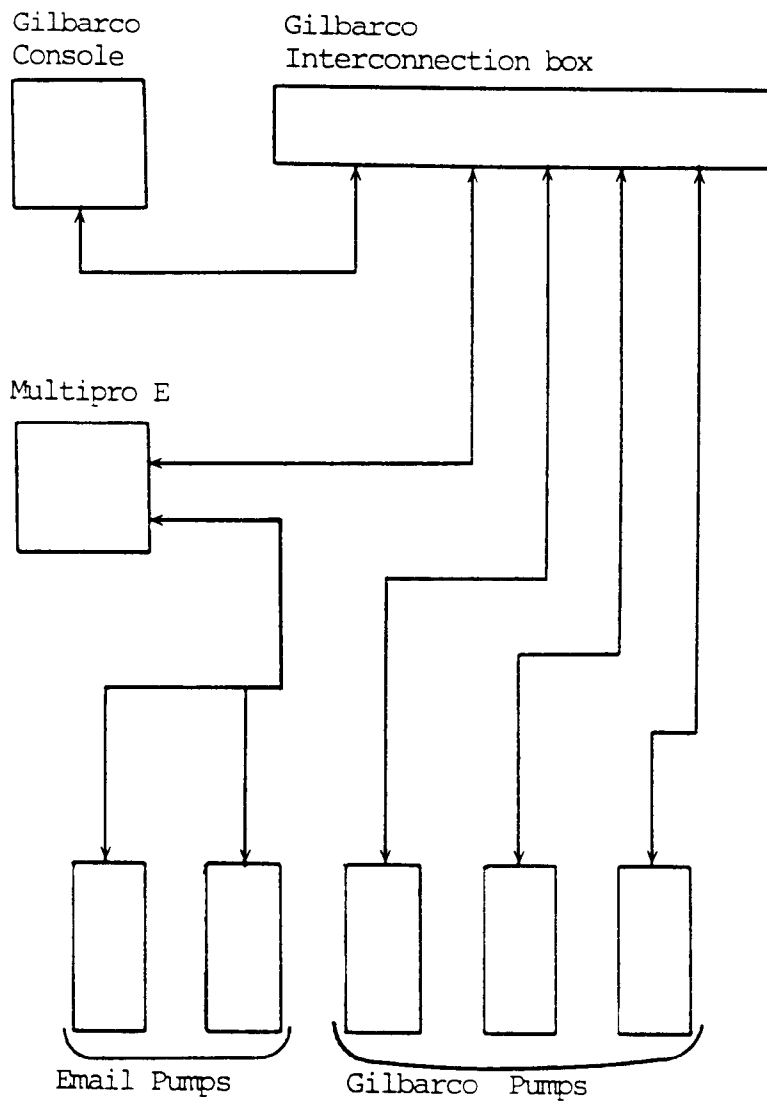
Email Model Multipro E/C Communication Interface

FIGURE S213A - 2



Typical Variant 1 Installation

FIGURE S213A - 3



Typical Variant 2 Installation