

National Standards Commission



Supplementary Certificate of Approval No S256

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 WE-1 Pulse Generator for Liquid-measuring Systems

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. Birch'.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/9/94.
This approval expires in respect of new instruments on 1/9/95.

Instruments purporting to comply with this approval shall be marked NSC No S256 and only by persons authorised by the submittor.

It is the submittor'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.

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

DESCRIPTIVE ADVICE

Pattern: approved 1/9/89

- An Email model WE-1 pulse generator for use in any compatible Commission-approved liquid-measuring system.

Variant: approved 1/9/89

1. A model ORT-76 pulse generator.

Technical Schedule No S256 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S256 dated 16/3/90
Technical Schedule No S256 dated 16/3/90 (incl. Table 1 and Test
Procedure)
Figure 1 dated 16/3/90



National Standards Commission

TECHNICAL SCHEDULE No S256

Pattern: Email Model WE-1 Pulse Generator for Liquid-measuring Systems.

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

1. Description of Pattern

An Email model WE-1 solid state pulse generator (Figure 1 and Table 1) which produces pulses proportional to volume, when interfaced with any compatible Commission-approved liquid-measuring system.

1.1 Markings

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

Manufacturer's name or mark	
Model number	
Serial number	
Approval number	NSC No S256

1.2 Verification Provision

Provision is made for a verification mark to be applied.

2. Description of Variant 1

Model ORT-76 pulse generator which is similar to the pattern, but has a different operating voltage range and output, as listed in Table 1.

TABLE 1

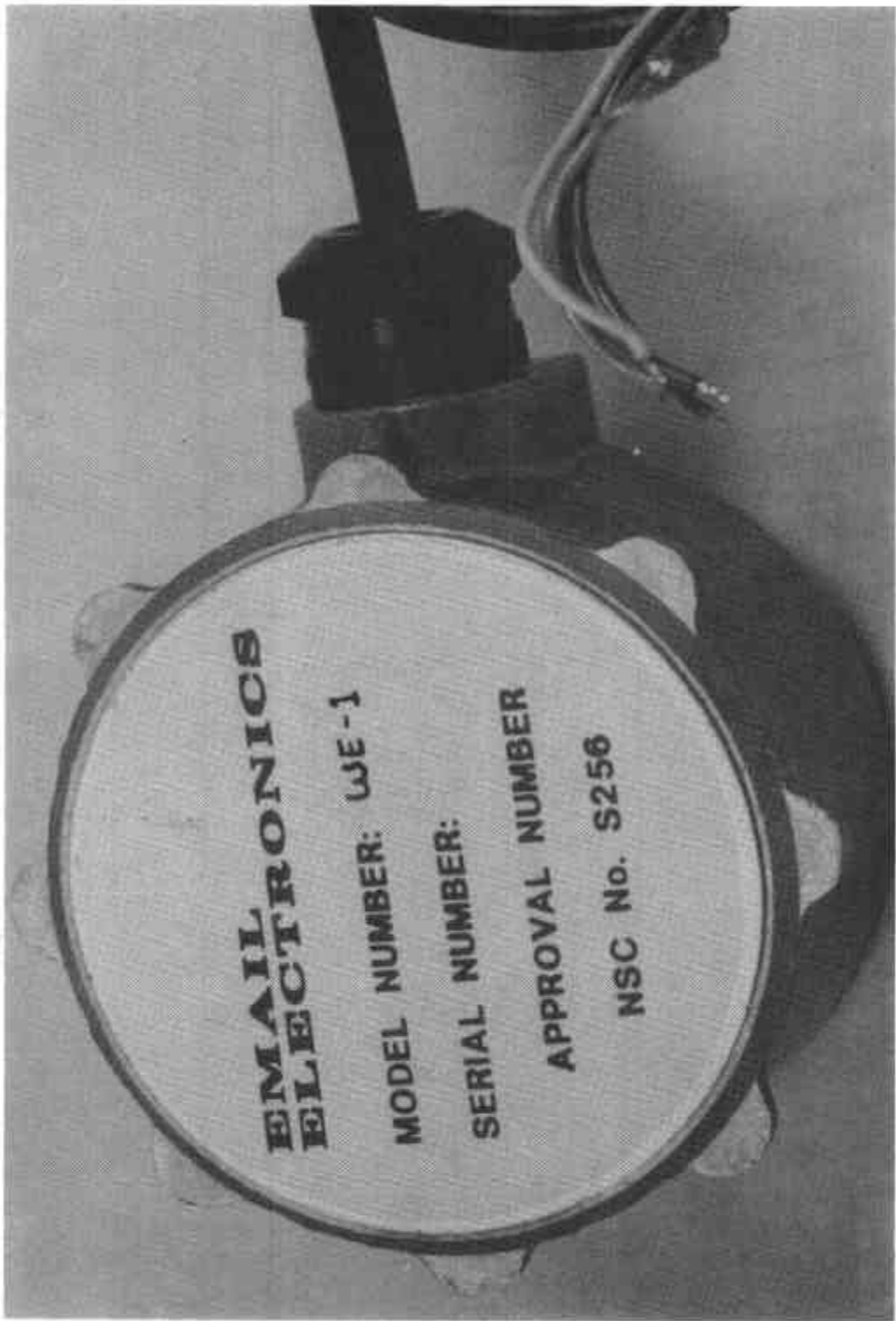
	Model WE-1	Model ORT-76
Supply voltage: DC	12 to 15 V	8 to 12 V
Pulses per shaft revolution:	100	100
Maximum pulser shaft speed:	240 r/min	240 r/min
Output pulses:	Rectangular waveform with the following output voltage levels when used with an indicator having a 2K ohm load impedance:	
Supply voltage:	12 V 15 V	8 V 12 V
Output high:	9 V 11 V	5 V 9 V
Output low:	0 V 0 V	0 V 0 V

TEST PROCEDURE

The maximum permissible shaft revolution of the pulse generator and the maximum flow rate of the flowmetering system shall be considered 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 S256 - 1



Email WE-1 Pulse Generator