



NATIONAL STANDARDS COMMISSION

S215
22/12/86

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S215

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

Zahn Model 0211.0013 Flowmeter Pulse Generator

submitted by ProEda (Australasia) Pty Ltd
100 Miller Street
Pymont NSW 2009.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/10/91.
This approval expires in respect of new instruments on 1/10/92.

Instruments purporting to comply with this approval shall be marked NSC No S215.

This approval may be withdrawn if instruments are constructed other than as described in the drawings and specifications lodged with the Commission.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

Signed

Executive Director

Descriptive Advice

Pattern: approved 30/9/86

- A Zahn model 0211.0013 pulse generator for use with any compatible Commission-approved flowmetering system.

Technical Schedule No S215 describes the pattern.

Filing Advice

The documentation for this approval comprises:

Supplementary Certificate of Approval No S215 dated 22/12/86
Technical Schedule No S215 dated 22/12/86 (including Test Procedure)
Figure 1 dated 22/12/86



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TECHNICAL SCHEDULE No S215

Pattern: Zahn Model 0211.0013 Pulse Generator

Submittor: ProEda (Australasia) Pty Ltd
100 Miller Street
Pymont NSW 2009

1. Description of Pattern

The pattern is a Zahn model 0211.0013 solid state pulse generator (Figure 1) which produces pulses proportional to volume, when interfaced with a Commission-approved Proeda driveway flowmeter fuel usage recorder or to any other compatible Commission-approved flowmetering system.

1.1 Pulser Specifications

Supply voltage (nominal): 12 volts
Pulses per shaft revolution: 100 pulses/revolution
Maximum pulser shaft speed: 150 revolutions/minute

Output pulses: Rectangular waveform with the following output voltage levels when used with an indicator having a 100 k Ω input impedance;

At supply voltage = 12 volts - Output high: 10.83 volts
Output low: 0.11 volts

1.2 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 S215

1.3 Verification Provision

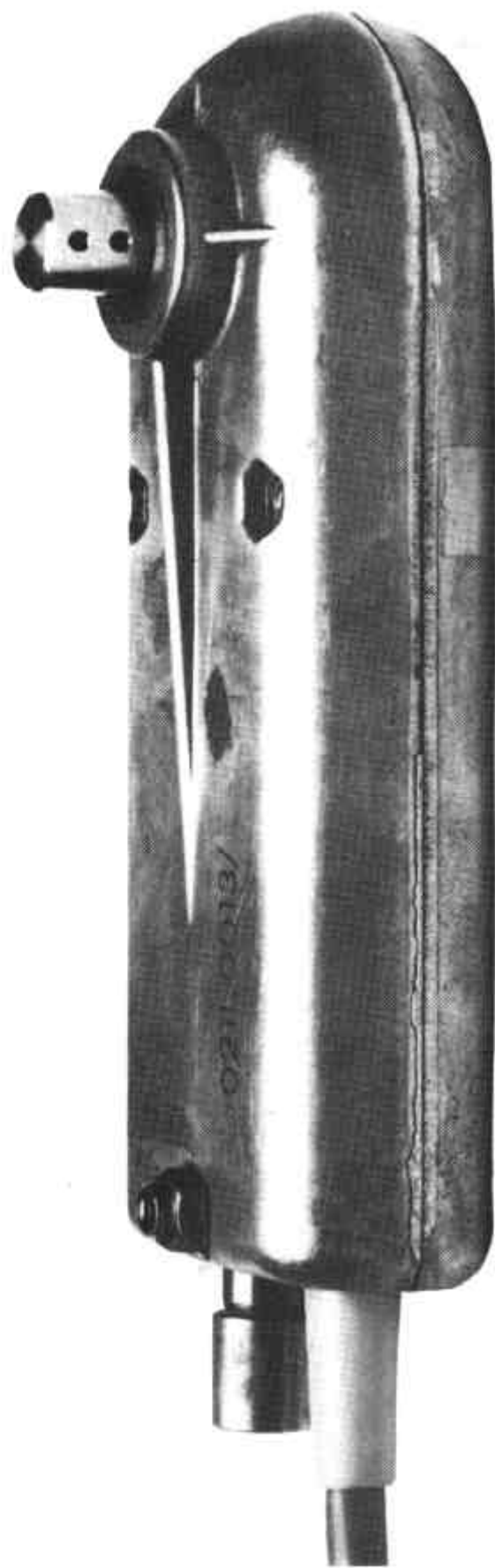
Provision is made for a verification mark to be applied.

TEST PROCEDURE No S215

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 flowmeter to which this instrument is connected.

The results shall not exceed the maximum permissible errors specified in Document 118.

FIGURE S215 - 1



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Zahn 0211.0013 Pulse Generator