



# NATIONAL STANDARDS COMMISSION

S250  
18/8/89

## NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

### REGULATION 9

#### SUPPLEMENTARY CERTIFICATE OF APPROVAL No S250

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

AND Mercury Model AD-4322 Digital Indicator

submitted by A & D Mercury Pty Ltd  
32 Dew Street  
Thebarton SA 5031.

#### CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/5/94.  
This approval expires in respect of new instruments 1/5/95.

Instruments purporting to comply with this approval shall be marked NSC No S250.

This approval may be withdrawn if instruments are constructed other than in accordance with the drawings and specifications lodged with the Commission.

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

The values of the performance criteria (maximum number of scale intervals etc.) applicable to an instrument incorporating components approved herein, shall be within the limits specified in this approval and in any approval documentation for the other components, excepting any limitations imposed by mechanical indicators on mechanical baseworks in such approval documentation.

Signed

Executive Director

#### Descriptive Advice

Pattern: approved 21/4/89

- An AND Mercury model AD-4322 digital mass indicator.

Technical Schedule No S250 describes the pattern.

#### Filing Advice

The documentation for this approval comprises:

Supplementary Certificate of Approval No S250 dated 18/8/89  
Technical Schedule No S250 dated 18/8/89 (Incl. Table 1 & Test  
Procedure)  
Figure 1 dated 18/8/89



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## TECHNICAL SCHEDULE No S250

Pattern: AND Mercury Model AD-4322 Digital Indicator.

Submittor: A & D Mercury Pty Ltd  
32 Dew Street  
Thebarton SA 5031.

### 1. Description of Pattern

An AND Mercury model AD-4322 digital mass Indicator (Figure 1) approved for use with up to 9500 verification scale intervals.

The indicator has a linearisation facility with up to 3 programable points, and may be used with Commission-approved load cells requiring linearisation. It may also be fitted with output sockets for the connection of auxiliary and/or peripheral devices.

#### 1.1 Zero

Zero is automatically set to within  $\pm 0.25e$  whenever the instrument comes to rest within  $\pm 0.5e$ . If the instrument comes to rest outside that range but within the zero setting range, zero may be set by pressing the zero button.

#### 1.2 Display Check

A display check is initiated whenever the STANDBY/OPERATE button is pressed.

#### 1.3 Tare

The instrument may be fitted with a semi-automatic subtractive taring device and/or a non-automatic taring device, each of up to maximum capacity.

#### 1.4 Verification Provision

Provision is made for a verification mark to be applied.

#### 1.5 Markings

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

Manufacturer's name or mark	
Serial number	
Accuracy class	
Maximum capacity	Ⓜ Max ..... *
Minimum capacity	Min ..... *
Verification scale interval	e = d = ..... *
Maximum subtractive tare	T = - ..... *
NSC approval numbers - Indicator	NSC No S250
- other components	..... #

\* Repeated in the vicinity of each reading face.

# May be located separately from the other markings.

TABLE 1

Type: AND Mercury	AD-4322
Maximum number of verification scale intervals	9500
Minimum sensitivity	$0.6 \times 10^{-3}$ mV/scale Interval
Excitation voltage	12 V
Minimum load impedance	43 ohms
Maximum excitation current	280 mA

TEST PROCEDURE

Instruments should be tested in conjunction with any tests specified in the approval documentation for the weighing instrument to which this indicator is connected, and in accordance with any relevant tests specified in the Inspector's Handbook.

The results shall not exceed the maximum permissible errors specified in Document 118, 2nd Edition, October 1986.

# National Standards Commission



## NOTIFICATION OF CHANGE

### SUPPLEMENTARY CERTIFICATE OF APPROVAL No S250

#### CHANGE No 1

The following change is made to the approval documentation for the

AND Mercury Model AD-4322 Digital Indicator

submitted by A & D Mercury Pty Ltd  
32 Dew Street  
Thebarton SA 5031.

In Technical Schedule No S250 dated 18/8/89, the following should be added to clause 1. Description of Pattern:

"The Pattern may also have additional management functions, in which case it is known as a model AD-4322 MkII."

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.

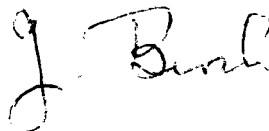
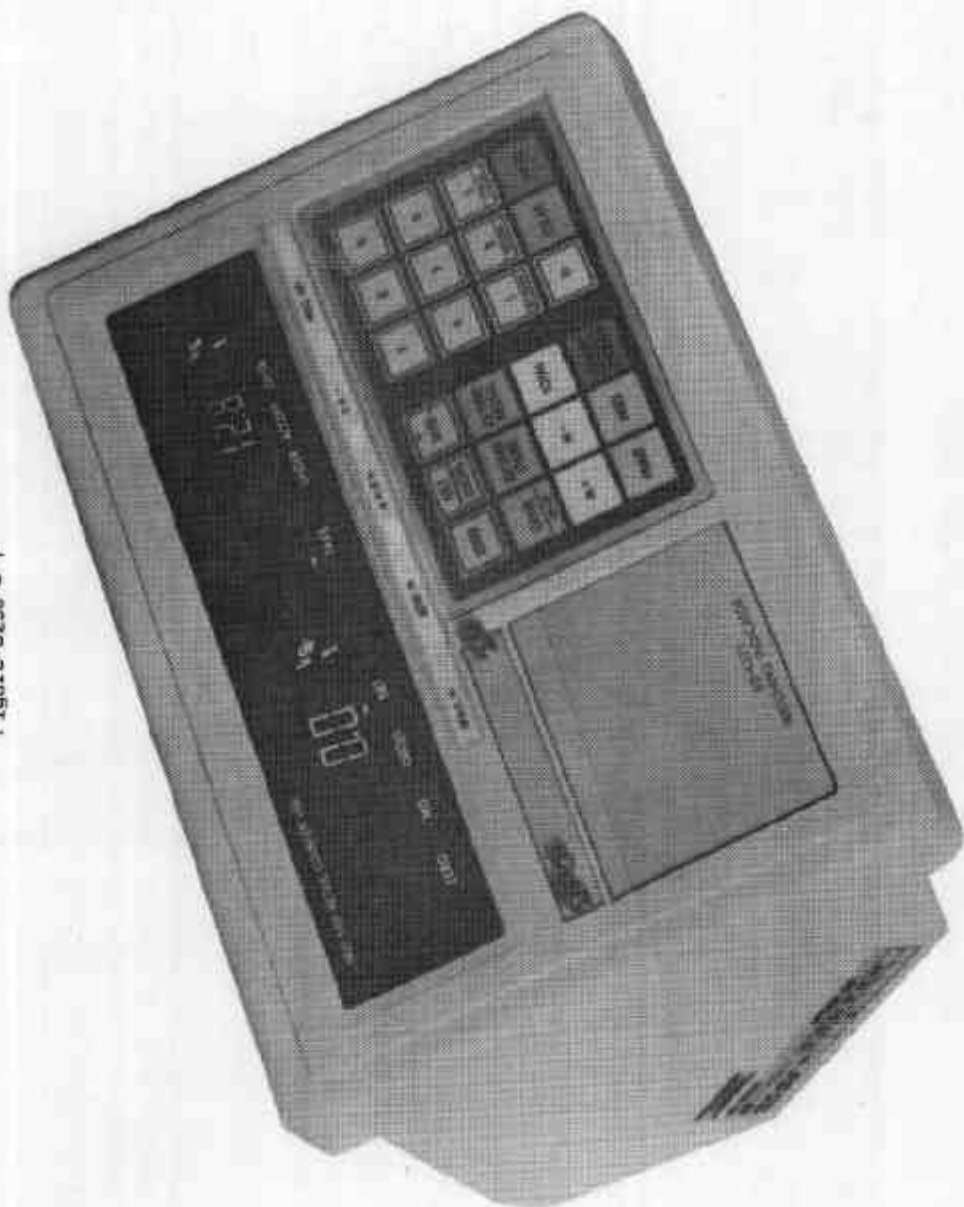


Figure S250 - 1



AND Mercury AD-4322 Indicator

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