

# National Standards Commission



## Certificate of Approval

**No 6/5A/3**

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

Digi Model DS-580 Weighing Instrument

submitted by W W Wedderburn Pty Ltd  
90 Parramatta Road  
Summer Hill NSW 2130.

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 1/3/96.  
This approval expires in respect of new instruments on 1/3/97.

Instruments purporting to comply with this approval shall be marked NSC No 6/5A/3 and only by persons authorised by the submitter.

It is the submitter'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.

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

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

### DESCRIPTIVE ADVICE

**Pattern:** approved 13/2/91

- A Digi model DS-580 freely-suspended weighing instrument of 8 kg maximum capacity.

Technical Schedule No 6/5A/3 describes the pattern.

### FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/5A/3 dated 16/4/91  
Technical Schedule No 6/5A/3 dated 16/4/91 (incl. Test Procedure)  
Figure 1 dated 16/4/91



# National Standards Commission

## TECHNICAL SCHEDULE No 6/5A/3

**Pattern:** Digi Model DS-580 Weighing Instrument.

**Submitter:** W W Wedderburn Pty Ltd  
90 Parramatta Road  
Summer Hill NSW 2130.

### 1. Description of Pattern

A Digi model DS-580 self-indicating freely-suspended weighing instrument (Figure 1) of 8 kg maximum capacity with a verification scale interval of 0.005 kg.

The instrument is operated using a remote (infra red) control, and may be powered by a 12 V 300 mA power supply or may be battery operated.

Unit price is up to \$999.99/kg and price up to \$9999.99.

#### 1.1 Zero

Zero is automatically corrected to within  $\pm 0.25e$  whenever the instrument comes to rest within  $0.5e$  of zero. If the instrument comes to rest outside that range but within the zero reset range, zero may be reset by pressing the zero button. The zero light illuminates whenever zero is within  $\pm 0.25e$ .

#### 1.2 Display Check

A display check is initiated whenever the ON/OFF button is pressed.

#### 1.3 Tare

A semi-automatic subtractive taring device, of up to maximum capacity may be fitted.

#### 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	
NSC approval number	NSC No 6/5A/3
Accuracy class	Ⓜ
Maximum capacity	Max..... kg *
Minimum capacity	Min ..... kg *
Verification scale interval	e = d = ..... kg *
Maximum subtractive tare	T = - ..... kg

\* Repeated in the vicinity of each reading face.

## TEST PROCEDURE

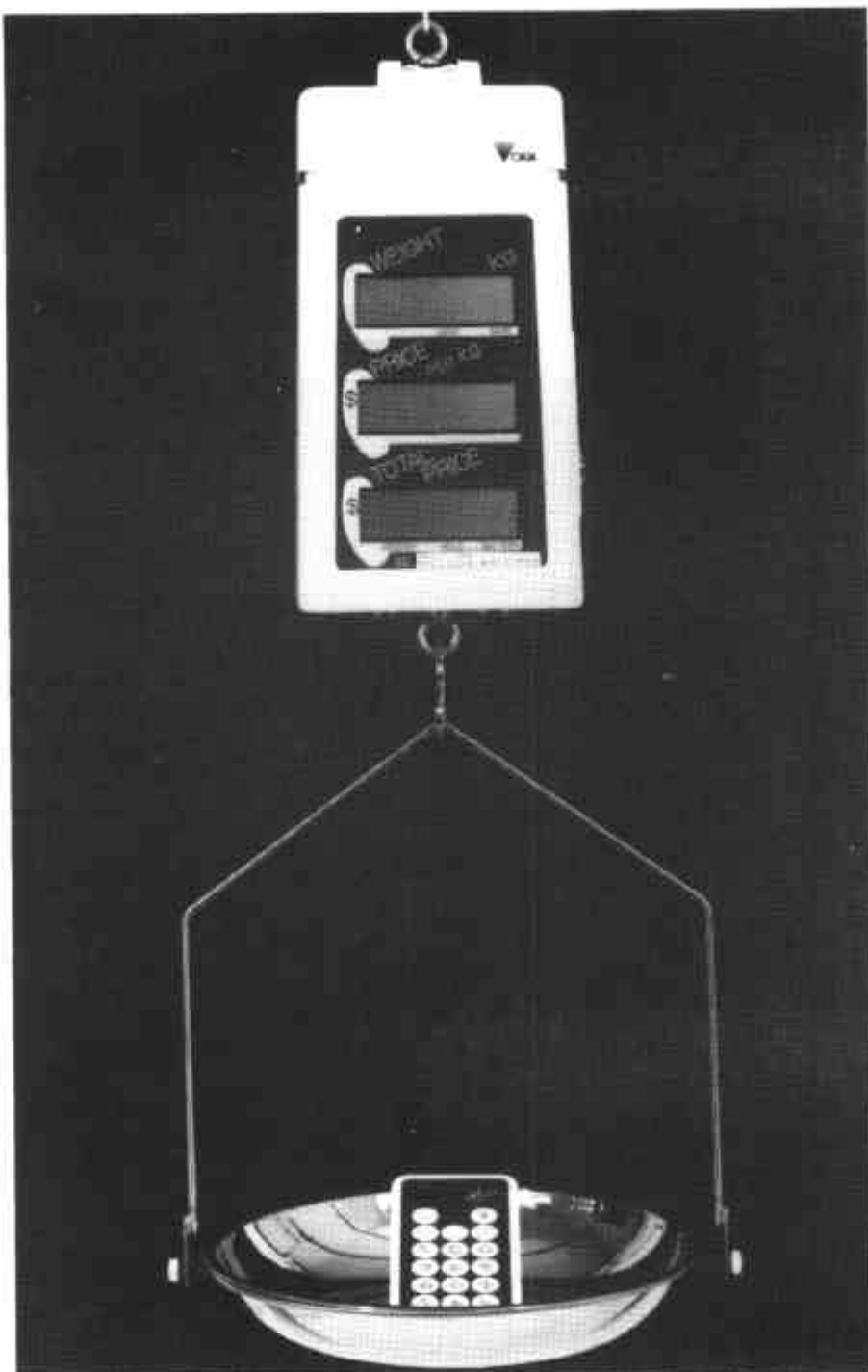
Instruments should be tested in conjunction with any relevant tests specified in the Inspector's Handbook.

### Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads, expressed in terms of verification scale interval (e), with the instrument adjusted to zero within  $\pm 0.25e$  at no load, are:

- $\pm 0.5e$  for loads from 0 to  $500e$ ;
- $\pm 1.0e$  for loads over  $500e$  up to  $2\,000e$ ; and
- $\pm 1.5e$  for loads over  $2\,000e$ .

FIGURE 6/5A/3 - 1



Digi Model DS-580 Weighing Instrument