



## National Standards Commission

12 Lyonpark Road, North Ryde NSW

### Cancellation Certificate of Approval No 6/4D/278

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

Digi Model DS-680 Weighing Instrument

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

has been cancelled in respect of new instruments as from 1 June 2001.

Instruments which were verified/certified before that date may, with the concurrence of the relevant verifying authority, be submitted for reverification.

Signed by a person authorised under Regulation 60 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.





## National Standards Commission

### Certificate of Approval

**No 6/4D/278**

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

Digi Model DS-680 Weighing Instrument

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

**NOTE:** This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

## CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 April 2000, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/278 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 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.

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

## DESCRIPTIVE ADVICE

**Pattern:** approved 30 March 1995

- A Digi model DS-680 self-indicating multi-interval price-computing weighing instrument of 15 kg maximum capacity.

Technical Schedule No 6/4D/278 describes the pattern.

**Variation:** approved 17 April 1998

1. Of 6 kg maximum capacity.

Technical Schedule No 6/4D/278 Variation No 1 describes variation 1.

## FILING ADVICE

Certificate of Approval No 6/4D/278 dated 28 July 1995 is superseded by this Certificate, and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 6/4D/278 dated 15 July 1998

Technical Schedule No 6/4D/278 dated 28 July 1995 (incl. Test Procedure)

Technical Schedule No 6/4D/278 Variation No 1 dated 15 July 1998

Figure 1 dated 28 July 1995

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.

A handwritten signature in black ink, consisting of a large, stylized initial 'J' followed by several loops and a long horizontal stroke extending to the right.



# National Standards Commission

TECHNICAL SCHEDULE No 6/4D/278

**Pattern:** Digi Model DS-680 Weighing Instrument.

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

## 1. Description of Pattern

A Digi model DS-680 multi-interval self-indicating price-computing weighing and printing instrument (Figure 1) with a verification scale interval ( $e_1$ ) of 0.002 kg up to 6 kg and with a verification scale interval ( $e_2$ ) of 0.005 kg from 6 kg up to the maximum capacity of 15 kg.

Instruments have unit price to \$9999.99/kg, price to \$9999.99, a price-look-up (PLU) facility, and may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

### 1.1 Zero

Zero is automatically corrected to within  $\pm 0.25e_1$  whenever power is applied and whenever the instrument comes to rest within  $0.5e_1$  of zero.

The instrument has an initial zero-setting device with a nominal range of 20% of the maximum capacity of the instrument.

### 1.2 Display Check

A display check is initiated whenever power is applied.

### 1.3 Tare

A semi-automatic subtractive taring device of up to 5.998 kg capacity may be fitted.

### 1.4 Levelling

The instrument is provided with adjustable feet and a level indicator.

### 1.5 Sealing Provision

Provision is made for a destructive label to be placed either over a casing retaining screw or across the join of the casing halves.

### 1.6 Verification/Certification Provision

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

### 1.7 Markings

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

Manufacturer's name or mark	
Serial number	
NSC approval number	NSC No 6/4D/278
Accuracy class	III
Maximum capacity	Max ..... / ..... kg *
Minimum capacity	Min ..... g *
Verification scale interval	e = ..... / ..... g *
Maximum subtractive tare	T = - ..... kg

\* Repeated adjacent to 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 2000e; and
- $\pm 1.5e$  for loads over 2000e.

For multi-interval instruments with verification scale intervals of  $e_1, e_2, \dots$ , apply  $e_1$  for zero adjustment and for maximum permissible errors apply  $e_1, e_2, \dots$ , as applicable for the load.

## TECHNICAL SCHEDULE No 6/4D/278

### VARIATION No 1

**Pattern:** Digi Model DS-680 Weighing Instrument

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

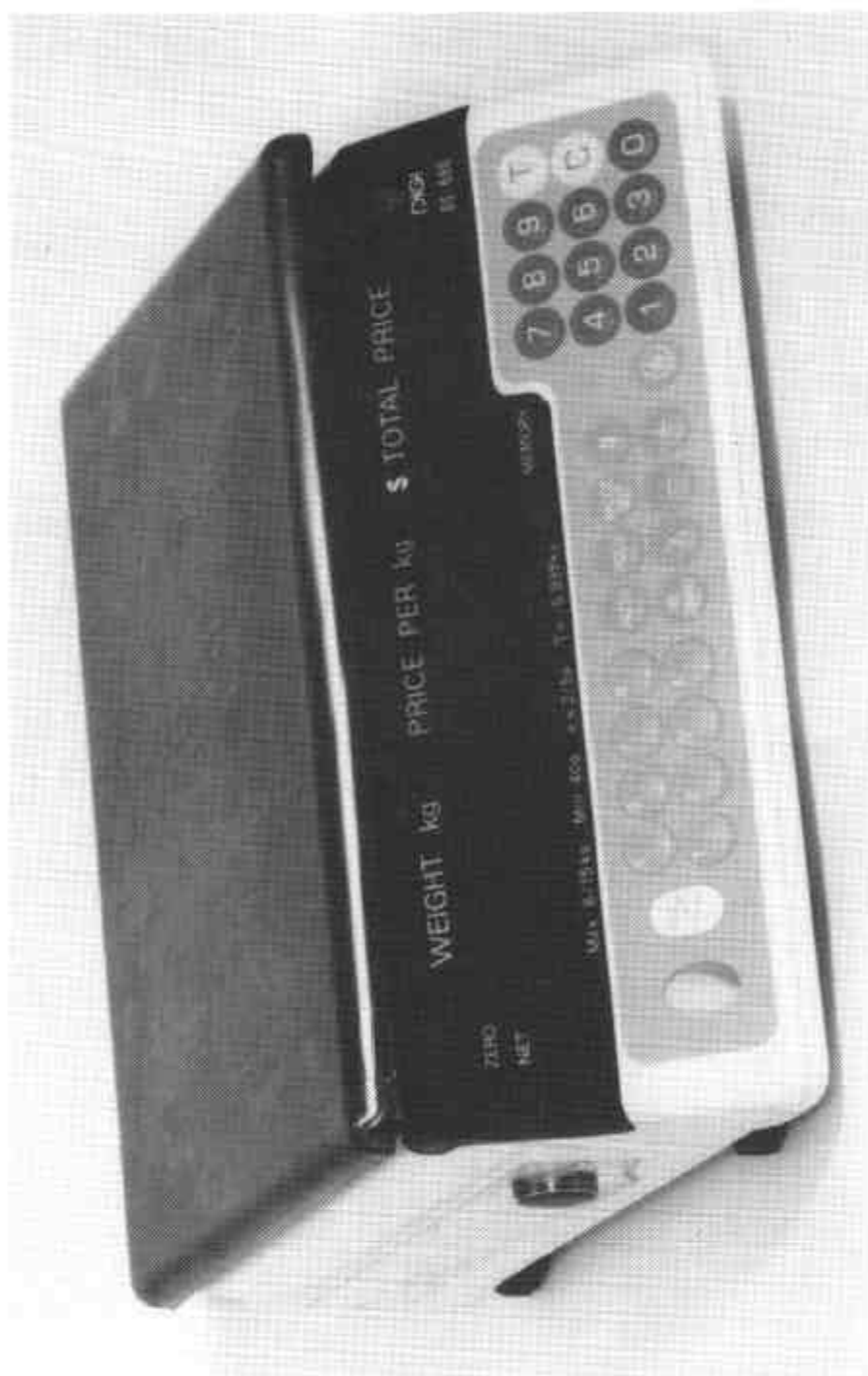
#### 1. Description of Variant 1

A Digi model DS-680 multi-interval self-indicating price-computing weighing instrument with a verification scale interval ( $e_1$ ) of 0.001 kg up to 3 kg and with a verification scale interval ( $e_2$ ) of 0.002 kg from 3 kg up to the maximum capacity of 6 kg.

A semi-automatic subtractive tare device of up to 2.999 kg maximum capacity may be fitted.

Instruments are powered from mains supply or may be battery-operated.

FIGURE 6/4D/278 - 1



Digi Model DS-680 Weighing Instrument