6/4C/226
8 April 2011

Australian Government
National Measurement Institute
Bradfield Road, West Lindfield NSW 2070

Notification of Change
Certificate of Approval No 6/4C/226
Change No 1

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

The following changes are made to the approval documentation for the

Charder Model PO-2300 Weighing Instrument

submitted by @Weigh Pty Ltd
now of Unit 31, 102 Keys Road
Moorabbin VIC 3189.

A. In Certificate of Approval No 6/4C/226 dated 28 July 2004;

1. The Condition of Approval referring to the review of the approval should be amended to read:

   "This approval becomes subject to review on 1 June **2015**, and then every 5 years thereafter."

2. The FILING ADVICE should be amended by adding the following:

   "Notification of Change No 1 dated 8 April 2011"

B. In Certificate of Approval No 6/4C/226 and its Technical Schedule both dated 28 July 2004, all references to the address of the submittor should be amended to read:

   "Unit 31, 102 Keys Road
   Moorabbin VIC 3189."

Signed by a person authorised by the Chief Metrologist to exercise his powers under Regulation 60 of the *National Measurement Regulations 1999*.

6/4C/226
28 July 2004

Australian Government

National Measurement Institute

12 Lyonpark Road, North Ryde NSW 2113

Certificate of Approval

No 6/4C/226

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

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

Charder Model PO-2300 Weighing Instrument

submitted by @Weigh Pty Ltd
33 Winston Way
Murrumbeena VIC 3163.

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 June 2009, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NSC 6/4C/226' and only by persons authorised by the submittor.

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It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the National Measurement Institute (NMI) 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 document NMI P 106.

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

This approval shall NOT be used in conjunction with General Certificate No 6B/0.

DESCRIPTIVE ADVICE

Pattern: approved 21 May 2004

- A Charder model PO-2300 single-interval self-indicating weighing instrument of 5000 g maximum capacity.

Variant: approved 21 May 2004

1. Certain other capacity model PO-2300 instruments.

Technical Schedule No 6/4C/226 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4C/226 dated 28 July 2004
Technical Schedule No 6/4C/226 dated 28 July 2004 (incl. Test Procedure)
Figures 1 and 2 dated 28 July 2004

Signed by a person authorised by the Chief Metrologist to exercise his powers under Regulation 60 of the National Measurement Regulations 1999.

TECHNICAL SCHEDULE No 6/4C/226

Pattern: Charder Model PO-2300 Weighing Instrument

Submittor: @Weigh Pty Ltd
33 Winston Way
Murrumbeena VIC 3163

1. Description of Pattern

A Charder model PO-2300 single-interval self-indicating weighing instrument (Figure 1) with a maximum capacity of 5000 g and a verification scale interval of 5 g.

Instruments are fitted with an integral liquid crystal operator display. The load receptor has maximum nominal dimensions of 165 x 175 mm.

Instruments are approved for use over a temperature range of 0°C to +40°C and must be so marked.

Instruments are not to be used for trading direct with the public and must be so marked.

1.1 Zero

Zero is automatically corrected to within ±0.25e whenever the instrument comes to rest within 0.5e of zero.

The instrument has a semi-automatic zero-setting device (to set the instrument to within ±0.25e of zero) with a nominal range of not more than 4% of the maximum capacity of the instrument.

The instrument has an initial zero-setting device with a nominal range of not more than 20% of the maximum capacity of the instrument.

1.2 Tare

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

1.3 Power Supply

Power supply may be either:

- 12 V DC supplied by an AC/DC mains adaptor or other DC power source; or
- 9 V DC battery.

Note: The AC/DC mains adaptor supplied was an Touch Electronic model SA071113 power supply (output 12 V DC, 15 W) – the submittor should be consulted regarding the acceptability of alternative power supply units or other power source.

1.4 Display Check

A display check is initiated whenever power is applied.

1.5 Levelling

The instrument is provided with adjustable feet and adjacent to the level indicator is a notice advising that the instrument must be level when in use.

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1.6 Sealing Provision

Provision is made for the calibration adjustments to be sealed as shown in Figure 2.

1.7 Verification/Certification Provision

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

1.8 Markings and Notices

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Charder Electronics, Taiwan
Name or mark of manufacturer's agent	@Weigh Pty Ltd
Indication of accuracy class	(III)
Pattern approval mark for the instrument	NSC 6/4C/226
Maximum capacity	*Max* ..... kg *
Minimum capacity	*Min* ..... kg *
Verification scale interval	*e* = ... kg *
Special temperature limits	0°C to +40°C
Serial number of the instrument	.....

* These markings shall also be shown near the display of the result if they are not already located there.

In addition, instruments shall carry a notice stating NOT TO BE USED FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

2. Description of Variant 1

Certain Charder PO-2300 series instruments of specifications as listed below:

- with a maximum capacity of 1000 g and a verification scale interval of 1 g; or
- with a maximum capacity of 2000 g and a verification scale interval of 2 g.

TEST PROCEDURE

Instruments should be tested in accordance with any relevant tests specified in the Uniform Test Procedures.

Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads on initial verification/certification for loads, *m*, expressed in verification scale intervals, *e*, are:

±0.5 *e* for loads $0 \leq m \leq 500$;
±1.0 *e* for loads $500 < m \leq 2\,000$; and
±1.5 *e* for loads $2\,000 < m \leq 10\,000$.

Ensure that instruments are only being used within the special temperature limits stated elsewhere in this Technical Schedule.

FIGURE 6/4C/226 – 1

Charder Model PO-2300 Weighing Instrument

FIGURE 6/4C/226 – 2

Showing Sealing