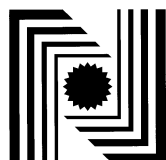
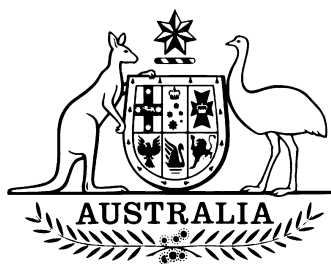


6/4C/94
27 June 2002



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Cancellation

Certificate of Approval

No 6/4C/94

Issued under Regulation 60
of the
National Measurement Regulations 1999

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

Ishida Model MTX-30 Weighing Instrument

submitted by Ishida Co. Ltd
 c/o Heat and Control Pty Ltd
 (formerly PCC Systems)
 407 Creek Road
 Mt Gravatt QLD 4122

has been cancelled in respect of new instruments as from 1 July 2002.

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 6/4C/94

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

Ishida Model MTX-30 Weighing Instrument

submitted by Ishida Co. Ltd
c/o PCC Systems
407 Creek Road
Mt Gravatt QLD 4122.

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 July 2001, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/94 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 4 June 1996

- An Ishida model MTX-30 self-indicating multiple-range weighing instrument with a maximum capacity of 30 kg.

Variation approved 4 June 1996

1. Model MTB-30 weighing instrument which is battery-operated.

Technical Schedule No 6/4C/94 describes the pattern and variation 1.

Variation approved 27 November 1997

2. With the indicator of the pattern in an alternative housing.

Technical Schedule No 6/4C/94 Variation No 1 describes variation 2.

FILING ADVICE

Certificate of Approval No 6/4C/94 dated 2 December 1996 is superseded by this Certificate, and may be destroyed.

The documentation for this approval now comprises:

Supplementary Certificate of Approval No 6/4C/94 dated 6 March 1998
Technical Schedule No 6/4C/94 dated 2 December 1996 (incl. Test
Procedure)
Technical Schedule No 6/4C/94 Variation No 1 dated 6 March 1998
Figure 1 dated 2 December 1996

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, appearing to be 'J. [unclear]', written in a cursive style.



National Standards Commission

TECHNICAL SCHEDULE No 6/4C/94

Pattern: Ishida Model MTX-30 Weighing Instrument.

Submittor: Ishida Co. Ltd
c/o PCC Systems
407 Creek Road
Mount Gravatt QLD 4122.

1. Description of Pattern

An Ishida model MTX-30 self-indicating multiple-range weighing instrument (Figure 1) with a maximum capacity of 30 kg.

Instruments may be fitted with an integral journal printer.

The instrument is approved for use over a temperature range of -5°C to $+40^{\circ}\text{C}$, and must be so marked.

1.1 Weighing Ranges

The weighing range to be used is manually selected.

The lowest range has a verification scale interval of 0.002 kg and a maximum capacity of 6 kg; the middle range has a verification scale interval of 0.005 kg and a maximum capacity 15 kg; and the highest range has a verification scale interval of 0.010 kg and a maximum capacity of 30 kg.

1.2 Zero

For the weighing range selected, zero is automatically corrected to within $\pm 0.25e$ whenever power is applied and whenever the instrument comes to rest within 0.5e of zero.

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

1.3 Tare

A semi-automatic subtractive taring device may be fitted, of up to 5.998 kg maximum capacity for the low range, 14.995 kg maximum capacity for the middle range, and 29.99 kg maximum capacity for the highest range.

1.4 Display Check

A display check is initiated when power is applied.

1.5 Levelling

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

1.6 Management Functions

Instruments may be fitted with a number of management functions which are not approved for trade use, including counting function and UNDER/ACCEPT/OVER facility.

1.7 Verification/Certification Provision

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

1.8 Sealing Provision

Provision is made for the calibration adjustments to be sealed by means of a destructible label being placed over the access hole at the rear of the indicator.

1.9 Markings

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

Manufacturer's name or mark	
Serial number	
NSC approval number	NSC No 6/4C/94
Accuracy class	III
For each range:	
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	e = kg *
Maximum subtractive tare	T = - kg
Special temperature limits	-5°C / 40°C

* Repeated adjacent to each reading face.

In addition, instruments shall be marked NOT FOR RETAIL COUNTER USE, or similar wording.

2. Description of Variant 1

Model MTB-30 which is similar to the pattern but is battery-operated, has ranges of 15 kg and 30 kg maximum capacity only, and is not fitted with an integral journal printer.

TEST PROCEDURE

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

Maximum Permissible Errors at Verification/Certification

For the weighing range selected, 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 $2000e$.

Ensure that instruments are being used within the special temperature limits specified in this approval.

TECHNICAL SCHEDULE No 6/4C/94

VARIATION No 1

Pattern: Ishida Model MTX-30 Weighing Instrument.

Submittor: Ishida Co. Ltd
c/o PCC Systems
407 Creek Road

1. Description of Variant 2

The indicator of the pattern in an alternative stainless steel housing (Figure 2) and known as a model MTX-30W.

FIGURE 6/4C/94 - 1



Ishida Model MTX-30 Weighing Instrument

FIGURE 6/4C/94 - 2



Ishida Model MTX-30W