National Standards Commission

Certificate of Approval

No 6/4D/275

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 AC-1000E Weighing Instrument

submitted by PCC Systems
407 Creek Road
Mount Gravatt QLD 4122.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1 August 1999.
This approval expires in respect of new instruments on 1 August 2000.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/275 and only by persons authorised by the submittor.

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 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.

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

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

DESCRIPTIVE ADVICE

Pattern: approved 18 July 1994

- An Ishida model AC-1000E self-indicating price-computing weighing and label printing instrument with a maximum capacity of 15 kg.

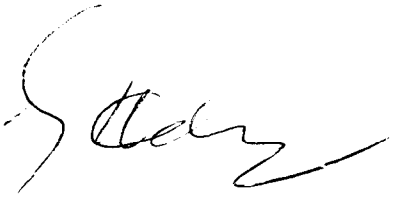
Technical Schedule No 6/4D/275 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/275 dated 28 November 1994
Technical Schedule No 6/4D/275 dated 28 November 1994 (incl. Test Procedure)
Figure 1 dated 28 November 1994

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.



National Standards Commission

TECHNICAL SCHEDULE No 6/4D/275

Pattern: Ishida Model AC-1000E Weighing Instrument.

Submittor: PCC Systems
407 Creek Road
Mount Gravatt QLD 4122.

1. Description of Pattern

An Ishida model AC-1000E self-indicating price-computing weighing and label printing instrument (Figure 1) of 15 kg capacity with a verification scale interval of 0.005 kg.

Instruments have unit price to $999.99/kg, price to $999.99, 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 ±0.25e whenever power is applied and whenever the instrument comes to rest within 0.5e of zero. If the instrument comes to rest outside that range but within the zero setting range, zero may be set by pressing the zero button.

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 9.995 kg capacity may be fitted.

1.3 Display Check

A display check is initiated whenever power is applied.

1.4 Levelling

The weighing component of the instrument is provided with adjustable feet and a level indicator.

1.5 Verification/Certification Provision

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

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1.6 Sealing Provision

Provision is made for the calibration adjustment located under the load receptor to be sealed.

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/275
Accuracy class	(III)
Maximum capacity	Max ..... kg *
Minimum capacity	Min ..... kg *
Verification scale interval	e = ... kg *
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 ±0.25e at no load, are:

±0.5e for loads from 0 to 500e;
±1.0e for loads over 500e up to 2000e; and
±1.5e for loads over 2000e.

FIGURE 6/4D/275 - 1

Ishida Model AC-1000E Weighing Instrument