National Standards Commission

Certificate of Approval

No 6/4C/90

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

Weigh-Tronix Model IS-7000 Weighing Instrument

submitted by Salter Weightronix Pty Ltd
20 Terracotta Drive
Blackburn VIC 3130.

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 is subject to review on or after 1 March 2000.
This approval expires in respect of new instruments on 1 March 2001.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/90 and only by persons authorised by the submittor.

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

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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 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.

DESCRIPTIVE ADVICE

Pattern: approved 13 February 1995

- A Weigh-Tronix model IS-7000 multiple-range self-indicating weighing instrument of 30 kg maximum capacity.

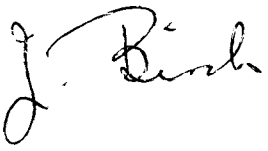
Technical Schedule No 6/4C/90 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4C/90 dated 30 June 1995
Technical Schedule No 6/4C/90 dated 30 June 1995 (incl. Test Procedure)
Figures 1 and 2 dated 30 June 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.



National Standards Commission

TECHNICAL SCHEDULE No 6/4C/90

Pattern: Weigh-Tronix Model IS-7000 Weighing Instrument.

Submittor: Salter Weightronix Pty Ltd
20 Terracotta Drive
Blackburn VIC 3130.

1. Description of Pattern

A Weigh-Tronix model IS-7000 multiple-range self-indicating weighing instrument with a verification scale interval (e_1) of 0.001 kg up to 5 kg and with a verification scale interval (e_2) of 0.01 kg from 5 kg up to the maximum capacity of 30 kg.

The instrument automatically changes to the higher range when the load on the receptor is greater than 5 kg; after changing to that range, the verification scale interval remains as e_2 (0.01 kg) until the instrument returns to zero load.

Instruments may be as shown in Figure 1 or without the remote display (Figure 2).

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 not greater than 20% of the maximum capacity of the instrument.

1.2 Display Check

A display check is initiated whenever power is applied.

1.3 Levelling

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

1.4 Verification/Certification Provision

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

1.5 Sealing Provision

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

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1.6 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/90
Accuracy class	(III)
For each range:	
Maximum capacity	Max ..... kg *
Minimum capacity	Min ..... g *
Verification scale interval	e = ... g *

* 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.

For multiple-range instruments with verification scale intervals of e_1, e_2, ..., apply e_1 for zero adjustment and for maximum permissible errors apply e_1, e_2, ..., as applicable for the load. (Refer Clause **1. Description of Pattern.**)

FIGURE 6/4C/90 - 1

Weigh-Tronix Model IS-7000 Weighing Instrument

FIGURE 6/4C/90 - 2

Model IS-7000 Without a Remote Display