National Standards Commission

Certificate of Approval

No 6/4C/77

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 4100 Weighing Instrument

submitted by Salter Weightronix Pty Ltd
1 Apollo Court
Blackburn VIC 3130.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/9/97.
This approval expires in respect of new instruments on 1/9/98.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/77 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.

..../2

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 4/8/92

- A Weigh-Tronix model 4100 self-indicating weighing instrument of 15 kg maximum capacity.

Variant: approved 4/8/92

1. Of 9.995 kg maximum capacity.

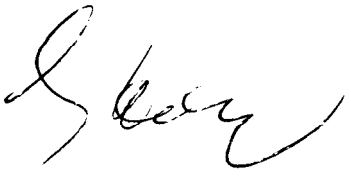
Technical Schedule No 6/4C/77 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4C/77 dated 25/11/92
Technical Schedule No 6/4C/77 dated 25/11/92 (incl. Test Procedure)
Figures 1 and 2 dated 25/11/92

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/77

Pattern: Weigh-Tronix Model 4100 Weighing Instrument.

Submittor: Salter Weightronix Pty Ltd
1 Apollo Court
Blackburn VIC 3130.

1. Description of Pattern

A Weigh-Tronix model 4100 self-indicating weighing instrument (Figure 1) of 15 kg maximum capacity with a verification scale interval of 0.005 kg.

Instruments may be fitted with a model 4110 remote display, either in addition to or in lieu of the integral display (Figure 2). Instruments 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.

The instrument has an initial zero-setting device with a nominal range of 4% 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 adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.4 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/77
Accuracy class	(III)
Maximum capacity	Max ..... kg *
Minimum capacity	Min ..... kg *
Verification scale interval	e = ... kg *

* Repeated adjacent to each reading face.

..../2

1.5 Verification/Certification Provision

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

2. Description of Variant 1

Of 9.995 kg maximum capacity with a verification scale interval of 0.005 kg.

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 6/4C/77 - 1

Weigh-Tronix Model 4100 Weighing Instrument

FIGURE 6/4C/77 - 2

With Remote Indicator