



**Australian Government**  

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**National Measurement  
Institute**

12 Lyonpark Road, North Ryde NSW 2113

**Cancellation**  
**Supplementary Certificate of**  
**Approval No S352**

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

This is to certify that the approval for use for trade granted in Supplementary Certificate of Approval No S352 issued 15 July 1998 in respect of the

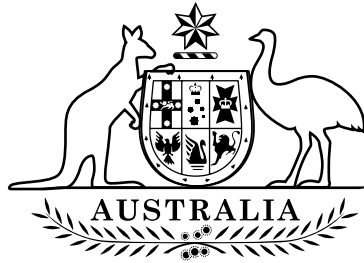
Salter Weigh-Tronix Model WI-127 Digital Indicator

submitted by Avery Weigh-Tronix  
(formerly submitted by Salter Weigh-Tronix Pty Ltd)  
Foundry Lane  
Smethwick  
West Midlands B66 2LP UK

has been cancelled in respect of new instruments as from 1 December 2004.

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

A handwritten signature in black ink, appearing to be 'J. H. T.', written in a cursive style.



## National Standards Commission

### Supplementary Certificate of Approval

**No S352**

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

Salter Weigh-Tronix Model WI-127 Digital Indicator

submitted by Salter Weigh-Tronix 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 becomes subject to review on 1 May 2003, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No S352 and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S352 in addition to the approval number of the instrument.

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 23 April 1998

- A Salter Weigh-Tronix model WI-127 digital indicator.

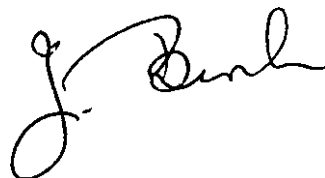
Technical Schedule No S352 describes the pattern.

### FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S352 dated 15 July 1998  
Technical Schedule No S352 dated 15 July 1998 (incl. Table 1 & Test  
Procedure)  
Figure 1 dated 15 July 1998

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.



## TECHNICAL SCHEDULE No S352

**Pattern:** Salter Weigh-Tronix Model WI-127 Digital Indicator.

**Submitter:** Salter Weigh-Tronix Pty Ltd  
20 Terracotta Drive  
Blackburn VIC 3130.

### 1. Description of Pattern

A Salter Weigh-Tronix model WI-127 digital indicator (Figure 1 and Table 1) which is approved for use with up to 5000 verification scale intervals and which may be fitted with output sockets for the connection of auxiliary and/or peripheral devices.

Instruments may be powered by a mains adaptor power supply or may be battery operated.

#### 1.1 Zero

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.

The instrument has a semi-automatic zero-setting device 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 and/or a keyboard-entered preset subtractive taring device, each having a capacity of up to the maximum capacity of the instrument, may be fitted.

#### 1.3 Display Check

A display check is initiated whenever power is applied.

#### 1.4 Linearisation Facility

Instruments may be fitted with a programmable multiple point linearisation facility.

#### 1.5 Sealing Provision

Provision is made for the calibration adjustment at the rear of the indicator to be sealed.

## 1.6 Verification/Certification Provision

Provision is made for the application of a verification/certification mark.

## 1.7 Markings

Instruments carry the following markings, in the form shown at right:

Manufacturer's mark, or name written in full	
Indication of accuracy class	Ⓜ
Maximum capacity	Max ..... kg *
Minimum capacity	Min ..... kg *
Verification scale interval	e = ..... kg *
Serial number of the instrument	
Pattern approval mark for the indicator	NSC No S352

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

In addition, instruments not greater than 100 kg capacity shall carry a notice stating NOT TO BE USED FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

TABLE 1 — Specifications

Maximum number of verification scale intervals	5000
Minimum sensitivity	0.6 $\mu$ V/scale interval
Excitation voltage	10 V DC
Maximum excitation current	345 mA

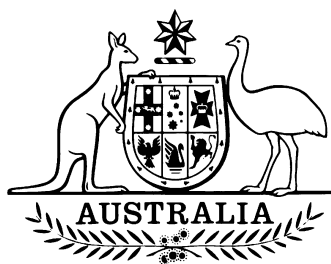
## TEST PROCEDURE

Instruments should be tested in conjunction with any tests specified in the approval documentation for the instrument to which the pattern is connected, as appropriate, and in accordance 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 on initial verification/certification for loads,  $m$ , expressed in verification scale intervals,  $e$ , are:

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



## National Standards Commission

12 Lyonpark Road, North Ryde NSW

### Notification of Change

### Supplementary Certificate of Approval No S352

### Change No 1

The following change is made to the approval documentation for the

Salter Weigh-Tronix Model WI-127 Digital Indicator

submitted by Salter Weigh-Tronix Pty Ltd  
20 Terracotta Drive  
Blackburn VIC 3130.

In Technical Schedule No S352 dated 15 July 1998, clause 1. **Description of Pattern** should be amended by adding the following:

“Instruments may also be known as Avery Berkel model L136.”

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.



FIGURE S352 - 1



Salter Weigh-Tronix Model WI-127 Digital Indicator