S352A
26 March 2010

Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Cancellation

Supplementary Certificate of Approval No S352A

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 respect of the

Avery Berkel Model L136 Digital Indicator

submitted by Avery Weigh-Tronix
Foundry Lane
Smethwick
West Midlands B662LP UNITED KINGDOM

has been cancelled in respect of new instruments as from 1 September 2010.

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

S352A
31 March 2004

Australian Government

National Standards Commission

12 Lyonpark Road, North Ryde NSW 2113 Australia

Supplementary Certificate of Approval

No S352A

Issued under Regulation 60
of the
National Measurement Regulations 1999

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

Avery Berkel Model L136 Digital Indicator

submitted by Avery Weigh-Tronix
Foundry Lane
Smethwick
West Midlands B66 2LP UK.

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.

This Certificate is issued upon completion of a review of NSC approval No S352.

..../2

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 April 2009, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No S352A and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S352A in addition to the approval number of the instrument.

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 NSC P 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 29 March 2004

- An Avery Berkel model L136 digital mass indicator.

Variant: approved 29 March 2004

1. Known as a Salter Weigh-Tronix model WI-127.

Technical Schedule No S352A describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No S352A dated 31 March 2004
Technical Schedule No S352A dated 31 March 2004 (incl. Table 1 and Test Procedure)
Figure 1 dated 31 March 2004

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.

TECHNICAL SCHEDULE No S352A

Pattern: Avery Berkel Model L136 Digital Indicator

Submittor: Avery Berkel Limited
Foundry Lane
Smethwick
West Midlands B66 2LP UK

1. Description of Pattern

An Avery Berkel model L136 single interval digital mass indicator (Table 1 and Figure 1) which is approved for use with up to 5000 verification scale intervals.

Instruments may be fitted with output sockets (output interfacing capability) for the connection of auxiliary and/or peripheral devices.

Instruments are powered directly by mains AC power.

This approval does not include the use of the indicator as an automatic weighing instrument, unless specifically mentioned in a certificate of approval for such an instrument.

TABLE 1 – Specifications

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

1.1 Zero

Zero is automatically corrected to within ±0.25e whenever the instrument comes to rest within 0.5e of zero.

The instrument has a semi-automatic zero-setting device (to set the instrument to within ±0.25e of zero) 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 pre-set 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 are fitted with a programmable multi-point linearisation correction facility.

..../2

1.5 Additional Features

The indicator also has certain additional functions including setpoints ('cut-offs') and checkweighing (under/accept/over). Some functions can be assigned to a function key of the indicator. However this approval does not include the use of the indicator as an automatic weighing instrument, unless specifically mentioned in a certificate of approval for such an instrument.

The additional functions (other than the indications of measured mass, i.e. gross, tare, net, totals, displayed either on the indicator or on an auxiliary or peripheral device) are not approved for trade use.

1.6 Markings and Notices

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Avery Weigh-Tronix, UK
Name or mark of manufacturer's agent	.....
Indication of accuracy class	(III)
Maximum capacity	*Max* ..... kg #1
Minimum capacity	*Min* ..... kg #1
Verification scale interval	*e* = ... kg #1
Maximum subtractive tare	*T* = - .... kg #2
Serial number of the instrument	.....
Pattern approval mark for the indicator	NSC No S352A
Pattern approval mark for other components	..... #3

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

#2 This marking is required if *T* is not equal to *Max*.

#3 May be located separately from the other markings.

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.

1.7 Sealing Provision

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

1.8 Verification/Certification Provision

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

2. Description of Variant 1

The pattern now known as a Salter Weigh-Tronix model WI-127.

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 Uniform Test Procedures.

Maximum Permissible Errors at Verification/Certification

For single range instruments, the maximum permissible errors for increasing and decreasing loads on initial verification/certification for loads, m, expressed in verification scale intervals, e, are:

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

Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Notification of Change
Supplementary Certificate of Approval No S352A
Change No 1

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

The following changes are made to the approval documentation for the

Avery Berkel Model L136 Digital Indicator

submitted by Avery Weigh-Tronix
Foundry Lane
Smethwick
West Midlands B662LP UNITED KINGDOM.

A. In Supplementary Certificate of Approval No S352A dated 31 March 2004:

(i) The FILING ADVICE should be amended by adding the following:

"Notification of Change No 1 dated 30 July 2008"

(ii) In the DESCRIPTIVE ADVICE, the description of the pattern should be amended by adding the following:

"May also be known as Avery Weigh-Tronix instruments of the same model."

B. In Supplementary Certificate of Approval No S352A and its Technical Schedule both dated 31 March 2004, all references to the name of the submittor or manufacturer should be amended to read:

"Avery Weigh-Tronix **Ltd**"

C. In Technical Schedule No S352A dated 31 March 2004, clause **1. Description of Pattern**, should be amended by adding the following:

"May also be known as Avery Weigh-Tronix instruments of the same model."

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

FIGURE S352A – 1

Avery Berkel Model L136 Digital Indicator