



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Cancellation

Supplementary Certificate of Approval No S369

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 3750 Weighing Instrument

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

has been cancelled in respect of new instruments as from 1 November 2014.

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

A handwritten signature in black ink, appearing to read 'A Rawlinson', with a horizontal line underneath.

Dr A Rawlinson



National Standards Commission

Supplementary Certificate of Approval

No S369

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

Avery Berkel Model T301 Load Cell



submitted by **Avery Berkel International**
12-38 Talavera Road
North Ryde NSW 2113.

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 September **2004**, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No S369 and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S369 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.

Special:

These load cells shall only be used with an Avery Berkel indicator which is Commission-approved for use with Avery Berkel digital load cells.

DESCRIPTIVE ADVICE

Pattern: approved 20 August 1999



- An Avery Berkel model T301 load cell of 30 000 kg maximum capacity. Technical Schedule No S369 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S369 dated 14 October 1999
Technical Schedule No S369 dated 14 October 1999 (incl. Table 1)
Figures 1 and 2 dated 14 October 1999



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 S369

Pattern: Avery Berkel Model T301 Load Cell.



Submittor: Avery Berkel International
12-38 Talavera Road
North Ryde NSW 2113.

1. Description of Pattern



An Avery Berkel model T301 digital load cell of 30 000 kg maximum capacity (Figures 1 & 2, and Table 1).



These load cells shall only be used with an Avery Berkel indicator which is Commission-approved for use with Avery Berkel digital load cells.

1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in Figure 2.

1.2 Markings

Each load cell is marked with the following:



Manufacturer's mark, or name written in full	Avery Berkel
Model number	T301
Serial number
Pattern approval mark	NSC No S369
Maximum capacity E_{max} kg

1.3 Table of Specifications

Specifications for the pattern are given in Table 1.

TABLE 1



Type: **Avery Berkel** Model T301

Maximum capacity (E_{max})	30 000 kg
Accuracy class	C4
Maximum number of verification scale intervals	4000
Minimum value of verification scale interval (V_{min})	3.2 kg
Minimum dead load output return value (DR)	2.5 kg
Output rating (resolution)	60 000 counts at E_{max}
Supply voltage (DC)	7.5 - 12 V
Cable length (± 0.1 m)	up to 200 m (*)
Number of leads (plus shield)	4
Communication	Balance pair RS485, 19200 baud
Junction box	Avery Berkel Model T301
Digital indicator	Avery Berkel Models L215, L216, L225 or L226

(*) The load cells are provided with a socket into which connecting cables to the junction box/indicator are fitted. These cables may be up to 200 metres in length.



Australian Government
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12 Lyonpark Road, North Ryde NSW 2113

Notification of Change
Supplementary Certificate of Approval No S369
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 T301 Load Cell

submitted by Avery Weigh-Tronix
(formerly Avery Berkel International)
Foundry Lane, Smethwick
West Midlands B66 2LP UK.

1. In Supplementary Certificate of Approval No S369 dated 14 October 1999, the Condition of Approval referring to the review of the approval should be amended to read:
"This approval becomes subject to review on 1 September 2009, and then every 5 years thereafter."
2. In Supplementary Certificate of Approval No S369 dated 14 October 1999 and its Technical Schedule, all references to the submitter should be amended to read:
"Avery Weigh-Tronix
Foundry Lane, Smethwick
West Midlands B66 2LP UK."

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. G. T.', located at the bottom right of the page.



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Bradfield Road, West Lindfield NSW 2070

Notification of Change
Supplementary Certificate of Approval No S369
Change No 2

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 T301 Load Cell

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

- A. In Supplementary Certificate of Approval No S369 dated 28 February 2001:
- (i) The FILING ADVICE should be amended by adding the following:
“Notification of Change No 1 dated 19 November 2004
Notification of Change No 2 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 S369 and its Technical Schedule both dated 14 October 1999, all references to the name of the submitter or manufacturer should be amended to read:
“Avery Weigh-Tronix **Ltd**”
- C. In Technical Schedule No S369 dated 14 October 1999, clause **1. Description of Pattern**, should be amended by adding “or Avery Weigh-Tronix” after every reference to “Avery Berkel”.

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.', is located in the bottom right corner of the page.



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**National Measurement
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Bradfield Road, West Lindfield NSW 2070

Notification of Change
Supplementary Certificate of Approval No S369
Change No 3

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 T301 Load Cell

submitted by Avery Weigh-Tronix
(formerly Avery Weigh-Tronix Ltd)
Foundry Lane
Smethwick
West Midlands B662LP UNITED KINGDOM.

- A. In Supplementary Certificate of Approval No S369 dated 28 February 2001:
- The Condition of Approval referring to the review of the approval should be amended to read:
"This approval becomes subject to review on 1 September **2014**, and then every 5 years thereafter."
Note: The review date was previously amended by Notification of Change No 1 dated 19 November 2004.
 - The FILING ADVICE should be amended by adding the following:
"Notification of Change No 3 dated 8 March 2010"
- B. In Technical Schedule dated 14 October 1999, all references to the name of the submitter or manufacturer should be amended to read:
"Avery Weigh-Tronix"

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

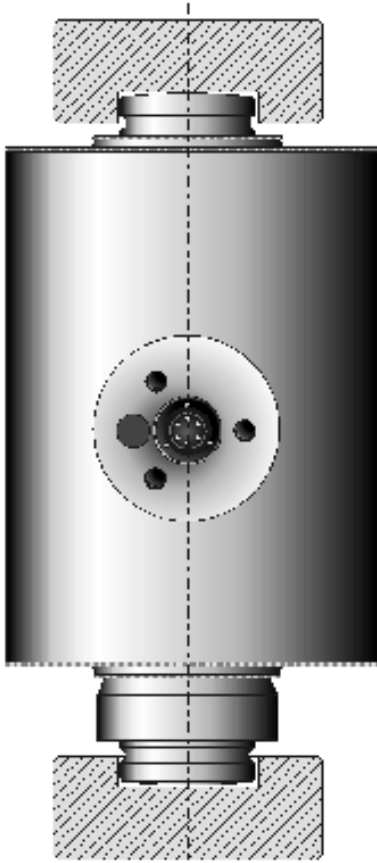
A handwritten signature in black ink, consisting of a series of loops and flourishes, positioned above a horizontal line.

FIGURE S369 - 1

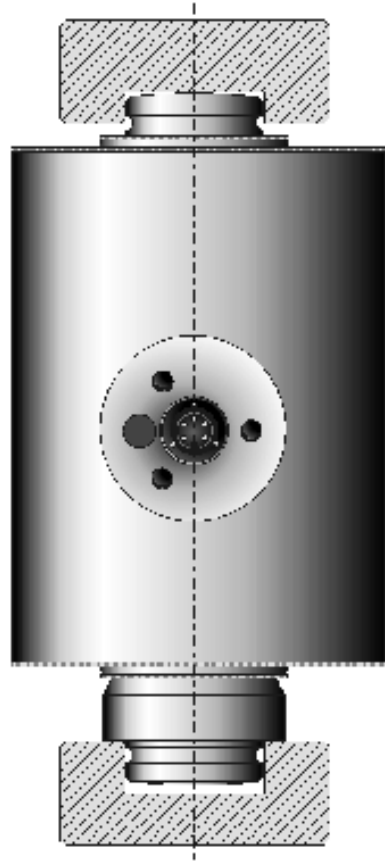


Avery Berkel Model T301 Load Cell With Rubber Bellows Fitted

FIGURE S369 - 2



1) Rocking Pin or Strut



2) Base Mounting