

Australian Government

National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

### Cancellation

# Supplementary Certificate of Approval

### No S492

#### 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 T302i Load Cell

submitted by

Avery Weigh-Tronix Ltd Foundry Lane Smethwick West Midlands B66 2LP United Kingdom

has been cancelled in respect of new instruments as from 1 December 2012.

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



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### **Supplementary Certificate of Approval**

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

Avery Berkel Model T302i Load Cell

submitted by Avery Weigh-Tronix Ltd Foundry Lane Smethwick West Midlands B66 2LP United Kingdom.

**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 approval has been granted with reference to document NMI R 60, *Metrological Regulation for Load Cells*, dated July 2004.

#### CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 April 2012, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI S492' and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI S492' in addition to the approval number of the instrument.

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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 National Measurement Institute (NMI) 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 document NMI P 106.

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

The values of the performance criteria (maximum number of scale intervals etc.) applicable to an instrument incorporating the pattern approved herein shall be within the limits specified herein and in any approval documentation for the other components.

#### DESCRIPTIVE ADVICE

Pattern: approved 15 March 2007

• An Avery Berkel model T302i load cell of 45 000 kg maximum capacity.

Variant: approved 15 March 2007

1. Certain other models and capacities as listed in Table 1.

Technical Schedule No S492 describes the pattern and variant 1.

#### FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S492 dated 16 March 2007 Technical Schedule No S492 dated 16 March 2007 (incl. Table 1) Figures 1 and 2 dated 16 March 2007

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

#### TECHNICAL SCHEDULE No S492

Pattern: Avery Berkel Model T302i Load Cell

Submittor: Avery Weigh-Tronix Ltd Foundry Lane Smethwick West Midlands B66 2LP United Kingdom

#### 1. Description of Pattern

An Avery Berkel model T302i load cell of 45 000 kg maximum capacity (Figure 1 and Table 1) of 'C5' classification, approved for use with up to 5000 verification intervals.

#### 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:

Avery Berkel
kg (or t)
C3 or C5
NMI S492

Note: The model number T302i, may be given with an upper case "i", i.e. T302I.

#### **1.3 Table of Specifications**

Specifications for the pattern are given in Table 1.

#### 2. Description of Variant 1

Certain other models and load cells with 'C3' classification and with characteristics as listed in Table 1.

#### Technical Schedule No S492

#### TABLE 1

Type: Avery Berkel model T302i

<i>Emax</i> (kg)	22 500		45	000
Classification	C3	C5	C3	C5
nLC	3000	5000	3000	5000
<i>Vmin</i> (kg)	1.6	1.6	3.2	3.2
DR (kg)	2.88	1.48	5.76	2.96
mV/V		1.	.74	
Input imp. (ohms)		5	60	
Voltage (V)		10	- 12	
Cable length (m)		25 a	nd 40	
Number of leads		4 (plus	shield)	

Where:

Emax	=	Maximum capacity
nLC	=	Maximum number of verification intervals
Vmin	=	Minimum value of verification interval
DR	=	Minimum dead load output return value
mV/V	=	Output rating (nominal)
Input imp.	=	Input impedance (nominal)
Voltage	=	Supply voltage (AC or DC)

#### FIGURE S492 - 1



Avery Berkel Model T302i 45 000 kg Load Cell (shown with upper and lower mounting fixtures)

### FIGURE S492 - 2





Mounting arrangements