



Australian Government
Department of Industry,
Innovation and Science

National Measurement Institute

Certificate of Approval NMI 6/4D/341

Issued by the Chief Metrologist 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 instruments herein described.

Avery Berkel Model FX 50 Weighing Instrument

submitted by Avery Berkel (a Division of ITW Limited)
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 approval has been granted with reference to document NMI R 76, *Non-automatic weighing instruments, Parts 1 and 2*, dated July 2004.

This approval becomes subject to review on **1/12/21**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern approved – certificate issued	7/11/08
1	Pattern reviewed & updated – certificate issued	23/06/16

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI 6/4D/341' and only by persons authorised by the submitter.

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 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.

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 be 'Dr A Rawlinson', with a horizontal line underneath.

Dr A Rawlinson

TECHNICAL SCHEDULE No 6/4D/341

1. Description of Pattern

approved on 7/11/08

An Avery Berkel model FX 50 class III non-automatic single interval self-indicating price-computing weighing instrument of 15 kg maximum capacity with a verification scale interval of 0.005 kg.

Instruments may be fitted with integral displays (Figure 1a) or with the customer display mounted on a column as shown in Figure 1b.

Instruments have unit price to \$9999.99/kg, price to \$9999.99, and a product-look-up (PLU) facility.

1.1 Zero

A zero-tracking device may be fitted.

The initial zero-setting device of the pattern has a nominal range of approximately 20% of the maximum capacity of the instrument.

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.

1.2 Tare

A semi-automatic subtractive tare device of up to maximum capacity may be fitted.

1.3 Display Check

A display check is initiated whenever power is applied.

1.4 Power Supply

The power supply may be either:

- (a) 12 V DC supplied by an AC/DC mains adaptor; and/or
- (b) an internal rechargeable battery, 6V.

Note: The AC/DC mains adaptor supplied was a PSU Designs model PSP 6-1-AV mains adaptor (output 12 V DC, 0.5A) – the submittor should be consulted regarding the acceptability of alternative power supply units.

1.5 Levelling

Instruments are provided with adjustable feet and a level indicator. Adjacent to the level indicator is a notice stating 'instrument must be level when in use', or similar wording.

1.6 Verification Provision

Provision is made for the application of a verification mark.

1.7 Sealing Provision

Provision is made for the calibration adjustments of the instrument to be sealed by means of destructible adhesive labels applied over plastic or metal discs (located on the underside of the instrument). A typical sealing method is shown in Figure 2.

1.8 Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Avery Berkel
Name or mark of manufacturer's agent
Indication of accuracy class	Ⓜ
Pattern approval mark for the instrument	NMI 6/4D/341
Maximum capacity	<i>Max</i> g or kg #1
Minimum capacity	<i>Min</i> g or kg #1
Verification scale interval	<i>e</i> = g or kg #1
Maximum subtractive tare	<i>T</i> = - g or kg #2
Serial number of the instrument
#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 <i>T</i> is not equal to <i>Max</i> .

TEST PROCEDURE

Instruments shall be tested in accordance with any relevant tests specified in the National Instrument Test Procedures.

The instrument shall not be adjusted to anything other than as close as practical to zero error, even when these values are within the maximum permissible errors.

Maximum Permissible Errors

The maximum permissible errors are specified in the *National Trade Measurement Regulations 2009*.

FIGURE 6/4D/341 – 1

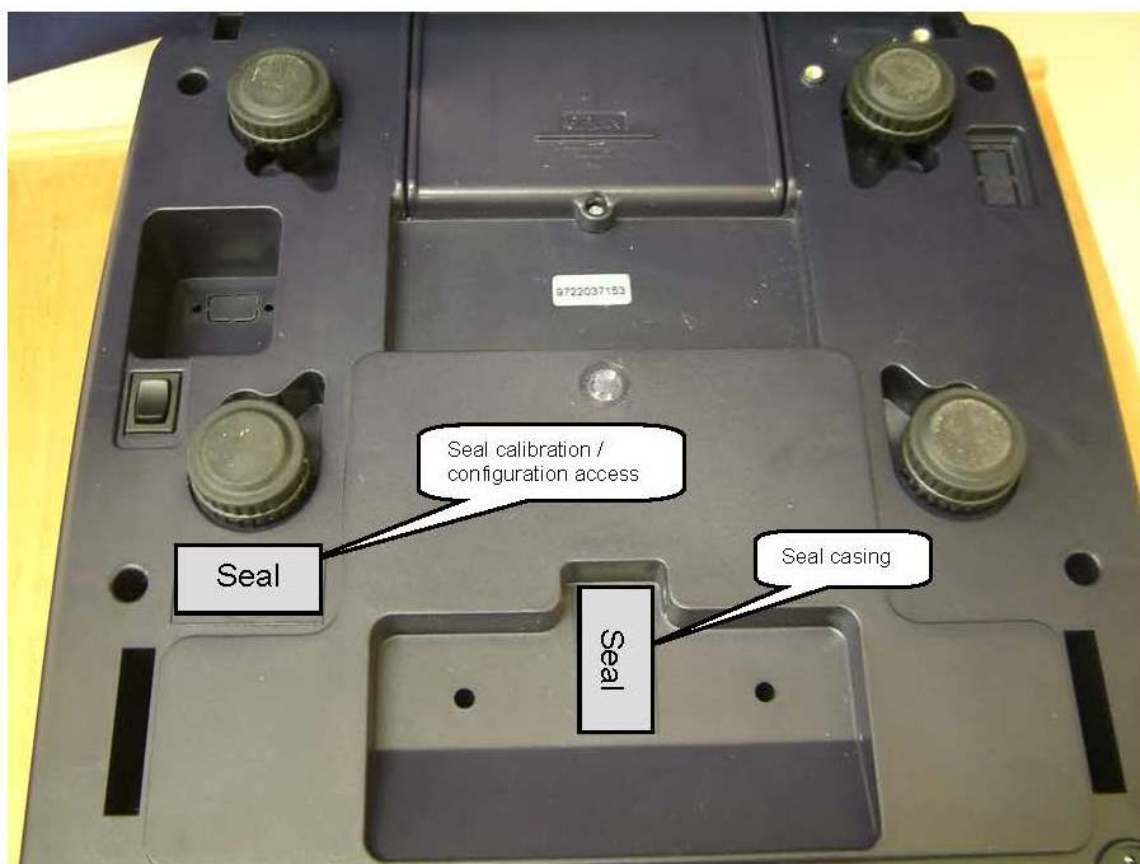


(a) Avery Berkel Model FX 50 Weighing Instrument (With Integral Displays)



(b) Avery Berkel Model FX 50 Weighing Instrument (With Integral Displays)

FIGURE 6/4D/341 – 2



Typical Sealing of Model FX 50 Weighing Instrument

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