

National Standards Commission



Certificate of Approval No 6/4D/259

Issued under Regulation 9
of the
National Measurement (Patterns of Instruments) Regulations

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

Berkel Model 581 Weighing Instrument

submitted by Berkel Australia Pty Ltd
19 Evans Street
Burwood VIC 3125.

Signed and sealed on 14/3/90 by a person authorised under Regulation 9 of the National Measurement (Patterns of Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/12/94.
This approval expires in respect of new instruments on 1/12/95.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/259 and only by persons authorised by the submittor.

It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the drawings and specifications 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 Certificates Nos S1/0 and/or S2/0, as appropriate.

DESCRIPTIVE ADVICE

Pattern: approved 27/11/89

- A Berkel model 581 self-indicating price-computing weighing instrument of 7.5 kg maximum capacity.

Variant: approved 27/11/89

1. Of 15 kg maximum capacity.

Technical Schedule No 6/4D/259 describes the pattern and variant.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/259 dated 9/4/90
Technical Schedule No 6/4D/259 dated 9/4/90 (incl. Test Procedure)
Figure 1 dated 9/4/90



National Standards Commission

TECHNICAL SCHEDULE No 6/4D/259

Pattern: Berkel Model 581 Weighing Instrument.

Submittor: Berkel Australia Pty Ltd
19 Evans Street
Burwood VIC 3125.

1. Description of Pattern

A Berkel model 581 self-indicating price-computing weighing instrument of 7.5 kg capacity with a verification scale interval of 0.005 kg. The instrument has unit price to \$999.99/kg and price to \$7499.93, and may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

The instrument may be as shown in Figure 1 or with an alternative keyboard and display.

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 zero light illuminates whenever zero is set within $\pm 0.25e$.

1.2 Display Check

A display check is initiated whenever the button marked TEST is pressed.

1.3 Tare

A semi-automatic taring device of up to 3.75 kg capacity may be fitted.

1.4 Markings

Instruments are marked with the following data, together in one location:

Manufacturer's name or mark	
Serial number	
NSC approval number	NSC No 6/4D/259
Accuracy class	(III)
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	$e = d =$ kg *
Maximum subtractive tare	$T = -$ kg

* Repeated in the vicinity of each reading face.

1.5 Levelling

The instrument is provided with adjustable feet and adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.6 Verification Provision

Provision is made for a verification mark to be applied.

2. Description of Variant 1

Of 15 kg capacity with a verification scale interval of 0.005 kg. The instrument has unit price to \$999.99/kg and price to \$9999.99.

A semi-automatic taring device of up to 7.5 kg capacity may be fitted.

TEST PROCEDURE

Instruments should be tested in conjunction 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, expressed in terms of verification scale interval (e), with the instrument adjusted to zero within $\pm 0.25e$ at no load, are:

- $\pm 0.5e$ for loads from 0 to 500e;
- $\pm 1.0e$ for loads over 500e up to 2 000e; and
- $\pm 1.5e$ for loads over 2 000e.

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NOTIFICATION OF CHANGE

CERTIFICATE OF APPROVAL No 6/4D/259

CHANGE No 1

The following changes are made to the approval documentation for the

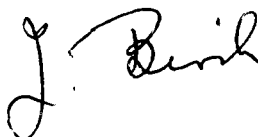
Berkel Model 581 Weighing Instrument

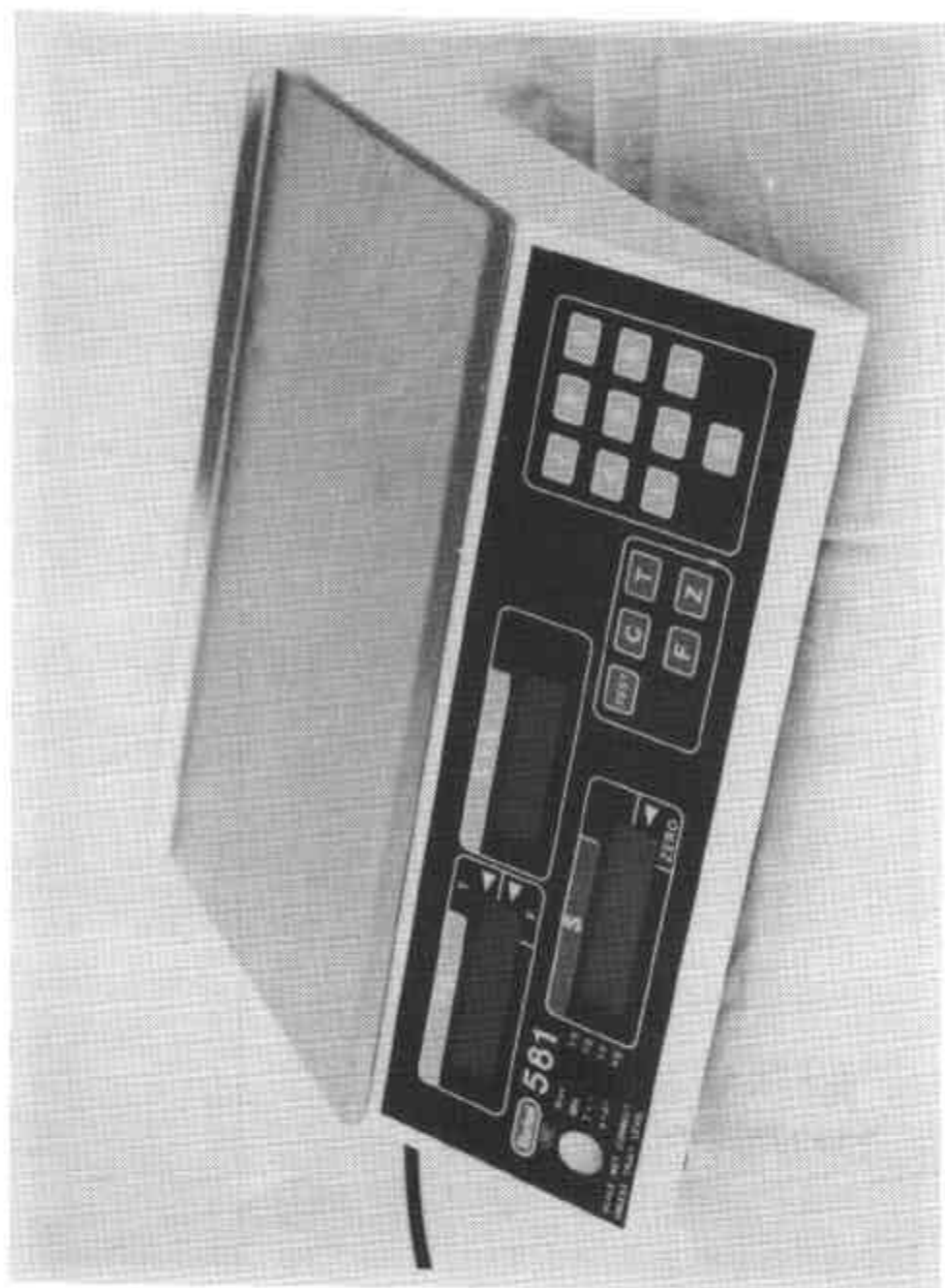
submitted by Berkel Australia Pty Ltd
 19 Evans Street
 Burwood VIC 3125.

In Technical Schedule No 6/4D/259 dated 9/4/90, the following paragraph should be added to clause 2. **Description of Variant 1:**

"Instruments may also be known as Avery model 601."

Signed and sealed by a person authorised
under Regulation 9 of the National
Measurement (Patterns of Instruments)
Regulations to exercise the powers and
functions of the Commission under this
Regulation.





Berkel Model 581