Australian Government
National Measurement Institute

Bradfield Road, West Lindfield NSW 2070

Cancellation

Certificate of Approval

No 6/4D/321

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

TORREY Model PC-20T Weighing Instrument

submitted by @Weigh Pty Ltd
33 Winston Way
Murrumbeena VIC 3163

has been cancelled in respect of new instruments as from 1 April 2011.

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

6/4D/321
13 April 2005

Australian Government

National Measurement Institute

12 Lyonpark Road, North Ryde NSW 2113

Certificate of Approval

No 6/4D/321

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

TORREY Model PC-20T Weighing Instrument

submitted by @Weigh Pty Ltd
33 Winston Way
Murrumbeena VIC 3163.

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 April 2010, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number ‘NMI 6/4D/321’ and only by persons authorised by the submittor.

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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.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificate No S1/0/A.

DESCRIPTIVE ADVICE

Pattern: approved 21 March 2005

- A TORREY model PC-20T single interval self-indicating price-computing weighing instrument with a maximum capacity of 20 kg

Variants: approved 21 March 2005

1. Model PC-20 with an integral customer display.
2. Models PC-35 and PC35T each with a maximum capacity of 35 kg.

Technical Schedule No 6/4D/321 describes the pattern and variants 1 & 2.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/321 dated 13 April 2005
Technical Schedule No 6/4D/321 dated 13 April 2005 (incl. Test Procedure)
Figures 1 to 3 dated 13 April 2005

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 6/4D/321

Pattern: TORREY Model PC-20T Weighing Instrument

Submittor: @Weigh Pty Ltd
33 Winston Way
Murrumbeena VIC 3163

1. Description of Pattern

A TORREY model PC-20T single interval self-indicating price-computing weighing instrument (Figure 1) with a maximum capacity of 20 kg, a minimum capacity of 0.1 kg and a verification scale interval of 0.005 kg.

Instruments are approved for use over a temperature range of 5°C to +40°C and must be so marked.

Instruments are fitted with an integral operator display and keyboard, and have the customer display mounted on a tower/arm (Figure 1).

Instruments have unit price to $999.99/kg, price to $9999.99, a product look up (PLU) facility for storage of unit prices only. Instruments may be fitted with output sockets (output interfacing capability) for the connection of auxiliary and/or peripheral devices.

The load receptor has maximum nominal dimensions of 290 x 355 mm.

1.1 Zero

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

The instrument has an initial zero-setting device with a nominal range of not more than 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 taring device and/or a non-automatic keyboard-entered subtractive pre-set taring device, each of up to 9.995 kg capacity may be fitted.

1.3 Display Check

A display check is initiated at each time the power of the instrument is turned on.

1.4 Power Supply

The instrument is powered by either:

- 9 V DC supplied by an AC/DC mains adaptor or other DC power source; or
- an internal rechargeable 6 V DC battery.

Note: The AC/DC mains adaptor supplied was a model 02S150008254 AC/DC adaptor (9.0 V DC, 800 mA output) – the submittor should be consulted regarding the acceptability of alternative power supply units or other power source.

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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 Sealing Provision

Provision is made for the calibration adjustments to be sealed by means of a lead and wire seal (or similar) for the cover which restricts access to the calibration button at bottom of the instrument (Figure 2).

1.7 Verification/Certification Provision

Provision is made for a verification/certification mark to be applied.

1.8 Descriptive Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	TORREY Pty Ltd
Name or mark of manufacturer's agent	.....
Indication of accuracy class	(III)
Pattern approval mark for the instrument	6/4D/321
Maximum capacity	*Max* ..... kg *
Minimum capacity	*Min* ..... kg *
Verification scale interval	*e* = ... kg *
Maximum subtractive tare	*T* = - .... kg
Serial number of the instrument	.....
Special temperature limits	5^{o}C / 40^{o}C

* These markings shall also be shown near the display of the result if they are not already located there.

2. Description of Variants

2.1 Variant 1

The model PC-20 (Figure 3) which is similar to the pattern, but has the customer display incorporated within the main instrument housing.

2.2 Variant 2

The models PC-35 and PC-35T, which are similar to the models PC-20 and PC-20T respectively, however the instruments have a maximum capacity of 35 kg, a verification scale interval of 0.01 kg, a minimum capacity of 0.2 kg and a tare capacity of 17.50 kg.

TEST PROCEDURE

Instruments should be tested in accordance with any relevant tests specified in the Uniform Test Procedures.

Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads on initial verification/certification for loads, *m*, expressed in verification scale intervals, *e*, are:

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

Ensure that instruments are only being used within the special temperature limits stated elsewhere in this Technical Schedule.

FIGURE 6/4D/321 – 1

TORREY Model PC-20T Weighing Instrument

FIGURE 6/4D/321 – 2

Showing Sealing

FIGURE 6/4D/321 – 3

Model PC-20