



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Cancellation
Certificate of Approval No 6/4C/206

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

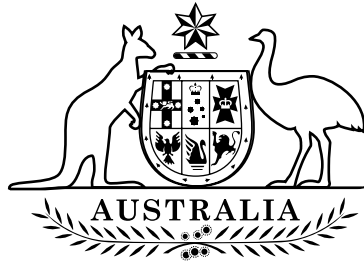
Mettler Toledo Model SpeedWeigh SW Weighing Instrument

submitted by Mettler Toledo Limited
 220 Turner Street
 Port Melbourne VIC 3207

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

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 a long horizontal stroke at the bottom.



National Standards Commission

Certificate of Approval

No 6/4C/206

Issued under Regulation 63
of the
National Measurement Regulations 1999

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

Mettler Toledo Model SpeedWeigh SW Weighing Instrument

submitted by Mettler Toledo Limited
525 Graham Street
Port Melbourne VIC 3207.

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 2004, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/206 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 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 Certificate No S1/0/A.

DESCRIPTIVE ADVICE

Pattern: approved 26 March 1999

- A Mettler Toledo model SpeedWeigh SW weighing instrument of 6 kg maximum capacity.

Variant: approved 26 March 1999

1. Certain other capacities as listed in Table 1.

Technical Schedule No 6/4C/206 describes the pattern and variant 1.

Variants: approved 1 November 1999

2. Certain additional capacities as listed in Table 1.
3. With a model SpeedWeigh *Plus* indicator.
4. With a Mettler Toledo model Panther or Panther *Plus* digital indicator.

Technical Schedule No 6/4C/206 Variation No 1 describes variants 2 to 4.

FILING ADVICE

Certificate of Approval No 6/4C/206 dated 31 May 1999, and Table 1 included as part of Technical Schedule No 6/4C/206 dated 31 May 1999, are superseded by this Certificate and Table 1. The documentation for this approval now comprises:

Certificate of Approval No 6/4C/206 dated 22 December 1999
Technical Schedule No 6/4C/206 dated 31 May 1999 (incl. Test
Procedure)

Technical Schedule No 6/4C/206 dated 22 December 1999 (incl. Table 1)
Figures 1 to 3 dated 31 May 1999



Signed and sealed by a person authorised under Regulation 63 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

A handwritten signature in black ink, appearing to read 'J. Bush'.

TECHNICAL SCHEDULE No 6/4C/206

Pattern: Mettler Toledo Model SpeedWeigh SW Weighing Instrument.

Submitter: Mettler Toledo Limited
525 Graham Street
Port Melbourne VIC 3207.



1. Description of Pattern

A Mettler Toledo model SpeedWeigh SW weighing instrument (Figure 1) of 6 kg maximum capacity with a verification scale interval of 0.002 kg.

Instruments are comprised of a model SW basework (Figure 1) and a model SpeedWeigh indicator. Instruments are marked 'NOT FOR TRADING DIRECT WITH THE PUBLIC' unless the display is located such that all primary indications are displayed clearly and simultaneously to both the vendor and the customer.

Instruments are approved for use over a temperature range of 0°C to +40°C, and are so marked.

1.1 Basework

The 6 kg model SW basework uses a Mettler Toledo model 0772 (*) load cell of 11 kg maximum capacity mounted as shown in Figure 2.

The basework has nominal dimensions of 230 x 230 mm.

(*) The model 0772 load cell is designated by various Mettler Toledo part numbers according to cell capacity, as listed in Table 1. The part number listed may have an alphanumeric prefix.

1.1.1 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.

1.2 Indicator

The model SpeedWeigh indicator is mounted on either of the columns shown in Figures 1 and 3, or remotely from the basework. Instruments may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

1.2.1 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 instrument has a semi-automatic zero-setting device with a nominal range of not more than 4% of the maximum capacity of the instrument.

The instrument has an initial zero-setting device with a nominal range of not more than 4% of the maximum capacity of the instrument.

1.2.2 Tare

A semi-automatic and/or an automatic subtractive taring device, each having a capacity of up to maximum capacity of the instrument, may be fitted.

1.2.3 Display Check

A display check is initiated whenever power is applied.

1.3 Markings and Notices

(i) Instruments carry the following markings, in the form shown at right:

Manufacturer's mark, or name written in full	Mettler Toledo
Indication of accuracy class	Ⓜ
Maximum capacity	Max kg *
Minimum capacity	Min kg *
Verification scale interval	e = kg *
Serial number of the instrument
Pattern approval mark for the instrument	NSC No 6/4C/206
Special temperature limits	0°C to +40°C

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

(ii) In addition, instruments used with a single display may need to be marked 'NOT FOR TRADING DIRECT WITH THE PUBLIC' or similar wording – refer to clause 1. **Description of Pattern.**

1.4 Verification/Certification Provision

Provision is made for the application of a verification/certification mark.

1.5 Sealing Provision

Provision is made for the front panel of the indicator to be sealed to the main body.

2. Description of Variant 1

In other capacities as listed in Table 1. Instruments are fitted with a model 0772 load cell, having a part number and capacity as listed below.

Figure 3 shows a 60 kg instrument fitted with an indicator mounted on a long column.

TABLE 1

Maximum Capacity	Verification Scale Interval	Load Cell Capacity	Load Cell Part Number
6 kg	0.002 kg	11 kg	(*)15187200A
15 kg (#)	0.005 kg	22 kg	(*)14612300A
30 kg (#)	0.01 kg	45 kg	(*)14611500A
60 kg (#)	0.02 kg	100 kg	(*)14611900A

(*) The model 0772 load cell is designated by various Mettler Toledo part numbers according to cell capacity, as listed above. The part number listed may have an alphanumeric prefix.

(#) These baseworks have nominal dimensions of 300 x 300 mm.

TEST PROCEDURE

Instruments should be tested in accordance 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 on initial verification/certification for loads, m , expressed in verification scale intervals, e , are:

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

Special Temperature Limits

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

TECHNICAL SCHEDULE No 6/4C/206
VARIATION No 1

Pattern: Mettler Toledo Model SpeedWeigh SW Weighing Instrument.

Submittor: Mettler Toledo Limited
525 Graham Street
Port Melbourne VIC 3207.



1. Description of Variants

1.1 Variant 2

In other capacities as listed in Table 1. Instruments are fitted with a model 0772 load cell, having a part number and capacity as listed below.

NOTE: The Table below replaces Table 1 issued as part of Technical Schedule No 6/4C/206 dated 31 May 1999.

TABLE 1

Maximum Capacity	Verification Scale Interval	Load Cell Capacity	Load Cell Part Number
6 kg (§)	0.002 kg	11 kg	(*)15187200A
15 kg (#)	0.005 kg	22 kg	(*)14612300A
30 kg (#)	0.01 kg	45 kg	(*)14611500A
60 kg (#)	0.02 kg	100 kg	(*)14611900A
60 kg (¶)	0.02 kg	100 kg	(*)14654600A
150 kg (¶)	0.05 kg	200 kg	(*)14639000A

(§) This basework has nominal dimensions of 230 x 230 mm.

(#) These baseworks have nominal dimensions of 300 x 300 mm.

(¶) These baseworks have nominal dimensions of 460 x 460 mm.

(*) The model 0772 load cell is designated by various Mettler Toledo part numbers according to cell capacity, as listed above. The part number listed may have an alphanumeric prefix.

Note: As the load cell is contained within a water-tight enclosure, it is not intended that particular load cell details will be checked as part of routine verification/certification testing.

1.2 Variant 3

With a model SpeedWeigh *Plus* indicator which is similar to the model SpeedWeigh indicator of the pattern and in addition is fitted with a pre-set tare device having a capacity up to the maximum capacity of the instrument.

1.3 Variant 4

With the indicator of the pattern replaced by a Mettler Toledo model Panther or Panther *Plus* digital indicator as described in the documentation of NSC approval No S353.



Australian Government
**National Measurement
Institute**

12 Lyonpark Road, North Ryde NSW 2113

Notification of Change
Certificate of Approval No 6/4C/206
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
Mettler Toledo Model SpeedWeigh SW Weighing Instrument

submitted by Mettler Toledo Limited
525 Graham Street
Port Melbourne VIC 3207.

- A. In Certificate of Approval No 6/4C/206 dated 22 December 1999;
- (i) the Condition of Approval referring to the review of the approval should be amended to read:
"This approval becomes subject to review on 1 April 2010, and then every 5 years thereafter."
- (ii) the FILING ADVICE should be amended by adding the following:
"Notification of Change No 1 dated 18 January 2006"
- B. In Certificate of Approval No 6/4C/206 and its Technical Schedule Variation No 1 both dated 22 December 1999, and in Technical Schedule No 6/4C/206 dated 31 May 1999, the references to the address of the submitter should be amended to read:
"220 Turner Street
Port Melbourne VIC 3207."

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

FIGURE 6/4C/206 - 1



Mettler Toledo Model SpeedWeigh SW Weighing Instrument
With 6 kg Basework and a Short Indicator Column

FIGURE 6/4C/206 - 2



Showing Load Cell Mounting

FIGURE 6/4C/206 - 3



Showing 60 kg Basework and Long Indicator Column