



**Australian Government**  
**National Measurement  
Institute**

Bradfield Road, West Lindfield NSW 2070

**Cancellation**  
**Certificate of Approval No 6/4C/91A**

Issued by the Chief Metrologist under Regulation 60  
of the  
*National Measurement Regulations 1999*

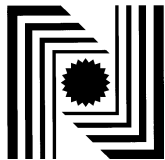
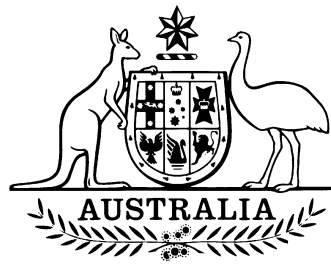
This is to certify that the approval for use for trade granted in respect of the  
Mettler Toledo Model 8217 Weighing Instrument

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

has been cancelled in respect of new instruments as from 1 August 2007.

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. H. T.', written in a cursive style.



## National Standards Commission

12 Lyonpark Road, North Ryde NSW

### Certificate of Approval

**No 6/4C/91A**

Issued 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

Mettler Toledo Model 8217 Weighing Instrument

submitted by Mettler Toledo Ltd  
220 Turner 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.

This Certificate is issued upon completion of a review of NSC approval No 6/4C/91.

### CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 October 2006, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/91A 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 NSC P 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 28 September 2001

- A Mettler Toledo model 8217 self-indicating weighing instrument of 15 kg maximum capacity.

**Variant:** approved 28 September 2001

1. Model 8217AS with an integral laser scanner.

Technical Schedule No 6/4C/91A describes the pattern and variant 1.

### FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4C/91A dated 11 January 2002  
Technical Schedule No 6/4C/91A dated 11 January 2002 (incl. Test Procedure)  
Figures 1 and 2 dated 11 January 2002

Signed by a person authorised under Regulation 60 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.



## TECHNICAL SCHEDULE No 6/4C/91A

**Pattern:** Mettler Toledo Model 8217 Weighing Instrument.

**Submittor:** Mettler Toledo Ltd  
220 Turner Street  
Port Melbourne VIC 3207.

### 1. Description of Pattern

A Mettler Toledo model 8217 self-indicating weighing instrument (Figure 1) of 15 kg maximum capacity with a verification scale interval of 0.005 kg.

Instruments may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

Instruments are fitted with a model 0264 display which may be mounted on a column (Figure 1). Instruments are marked 'NOT FOR TRADING DIRECT WITH THE PUBLIC' (or similar wording) unless the display is located such that all primary indications are clearly and simultaneously displayed to both the vendor and the customer.

#### 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 initial zero-setting device of the pattern has 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 of up to the maximum capacity of the instrument may be fitted.

#### 1.3 Display Check

A display check is initiated whenever power is applied.

#### 1.4 Levelling

Instruments are normally installed in a fixed location (e.g. built into a counter). If an instrument is not installed in a fixed location, it is provided with a level indicator in a place clearly visible to the user, and adjacent to the level indicator is a notice advising that the instrument must be level when in use.

#### 1.5 Verification/Certification Provision

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

## 1.6 Sealing Provision

Provision is made for the calibration adjustment switch located under the load receptor to be sealed.

## 1.7 Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	.....
Name or mark of manufacturer's agent	(if different to the manufacturer)
Indication of accuracy class	Ⓜ
Pattern approval mark for the instrument	NSC No 6/4C/91A
Maximum capacity	Max ..... kg *
Minimum capacity	Min ..... kg *
Verification scale interval	e = ..... kg *
Serial number of the instrument	..... #

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

# May be located separately from the other markings.

In addition, instruments not for trading direct with public shall be so marked (refer clause **1. Description of Pattern**).

### 2. Description of Variant 1

With an integral laser scanner for reading bar codes, in which case instruments are known as Mettler Toledo model 8217AS (Figure 2).

## 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:

- $\pm 0.5 e$  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  $2\,000 < m \leq 10\,000$ .

6/4C/91A  
11 January 2002

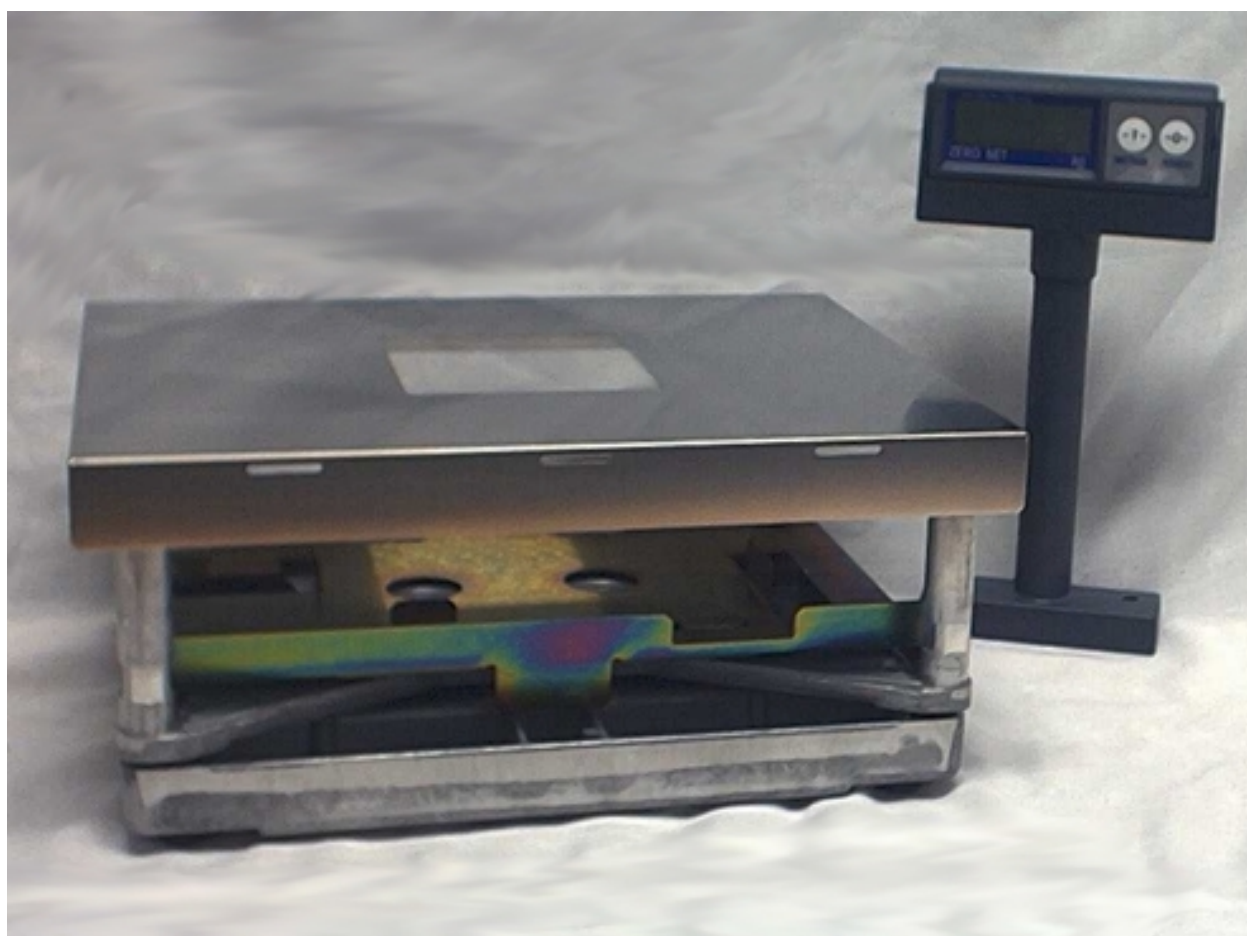
FIGURE 6/4C/91A - 1



Mettler Toledo Model 8217 Weighing Instrument

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FIGURE 6/4C/91A - 2



Mettler Toledo Model 8217AS Weighing Instrument