



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

Bradfield Road, West Lindfield NSW 2070

**Cancellation**  
**Certificate of Approval No 6/13/2**

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 EGX 150 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 June 2010.

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 flourishes, positioned to the right of the signature text.

6/13/2  
10 February 2005



**Australian Government**  

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**National Measurement  
Institute**

12 Lyonpark Road, North Ryde NSW 2113

**Certificate of Approval**  
  
**No 6/13/2**

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

Mettler Toledo Model EGX 150 Weighing Instrument

submitted by Mettler Toledo Limited  
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.

**CONDITIONS OF APPROVAL**

This approval becomes subject to review on 1 May 2009, and then every 5 years thereafter. Instruments purporting to comply with this approval shall be marked with approval number 'NSC 6/13/2' and only by persons authorised by the submitter.

.../2

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.

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.

The values of the performance criteria (maximum number of scale intervals etc.) applicable to the instrument shall be within the limits specified herein and in any approval documentation for the components where they are approved separately.

This approval shall NOT be used in conjunction with General Certificate No 6B/0.

#### DESCRIPTIVE ADVICE

**Pattern:** approved 6 April 2004

- A Mettler Toledo model EGX 150 freely-suspended self-indicating weighing instrument of 150 kg maximum capacity with a verification scale interval of 0.05 kg

Technical Schedule No 6/13/2 describes the pattern.

#### FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/13/2 dated 10 February 2005  
Technical Schedule No 6/13/2 dated 10 February 2005 (incl. Test Procedure)  
Figures 1 and 2 dated 10 February 2005

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.

TECHNICAL SCHEDULE No 6/13/2

**Pattern:** Mettler Toledo Model EGX 150 Weighing Instrument

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

**1. Description of Pattern**

A Mettler Toledo model EGX 150 freely-suspended self-indicating weighing instrument of 150 kg maximum capacity with a verification scale interval of 0.05 kg.

The pattern (Figure 1) comprises a mounting fixture with a single load cell. The fixture includes an adjustable counterweight and two eyebolt attachments. The upper eyebolt allows the weighing instrument to be suspended from a crane hook or similar, while the lower eyebolt allows a load receptor fitting to be suspended and supported by the load cell.

A typical load receptor fitting consists of a series of shackles and chain, and may include a lifting attachment e.g. a yoke suitable for gas cylinders (Figure 2). The mass of any permanent fitting may be zeroed while any temporary fittings may be tared, before weighing commences.

**1.1 Load Cell**

A single Mettler Toledo model 0745 load cell of 220 kg capacity is used. The load cell is also described in the documentation of approval NSC S361.

**1.2 Indicator**

A Mettler Toledo model JagXtreme digital indicator is used. The indicator is described in the documentation of approval NSC S339.

**1.3 Markings**

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Mettler Toledo Limited
Indication of accuracy class	Ⓜ
Maximum capacity	<i>Max</i> ..... kg *
Minimum capacity	<i>Min</i> ..... kg *
Verification scale interval	<i>e</i> = ..... kg *
Tare capacity	<i>T</i> = - ..... kg #
Serial number of the instrument	.....
Pattern approval mark for the instrument	NSC 6/13/2
Pattern approval mark for the load cell	NSC S...
Pattern approval mark for the indicator	NSC S...

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

# This marking is required if *T* is not equal to *Max*.

#### **1.4 Verification/Certification Provision**

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

Suitable provisions must be made for the application of suitable verified masses to the instrument as required for verification and certification purposes. It may be necessary for a special weights carrier for test purposes to be provided for this purpose (the mass of this could be zeroed off by the initial zero setting device of the indicator during testing).

#### **1.5 Sealing Provision**

Provision is made for the calibration adjustments to be sealed as described in the approval documentation for the indicator.

### **2. Description of Variant 1**

The pattern arranged for mobile use (e.g. attached to a vehicle) with power supplied from the vehicle battery via a DC/AC inverter.

The JagXtreme indicator may have special application software to prompt for input of item identification and pre-set tare values, and for summing of weight values.

The system may be attached to a printer for invoicing/record keeping purposes (see General Supplementary Certificate No S1/0/A.).

### **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  $2\,000 < m \leq 10\,000$ .

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FIGURE 6/13/2 – 1



Mettler Toledo Model EGX 150 Weighing Instrument

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FIGURE 6/13/2 – 2



Typical Model EGX 150 Load Receptor Fitting Including a Lifting Attachment