National Standards Commission

Certificate of Approval

No 6/18/30

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

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

Mettler Toledo Model 2298 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 is subject to review on or after 1/5/1999.
This approval expires in respect of new instruments on 1/5/2000.

Instruments purporting to comply with this approval shall be marked NSC No 6/18/30 and only by persons authorised by the submittor.

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

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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 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.

DESCRIPTIVE ADVICE

Pattern: approved 7/4/94

- A Mettler Toledo model 2298 self-indicating overhead weighing instrument of 600 kg maximum capacity.

Variant: approved 7/4/94

1. Of 300 kg maximum capacity.

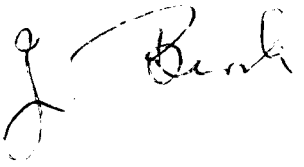
Technical Schedule No 6/18/30 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/18/30 dated 27/5/94
Technical Schedule No 6/18/30 dated 27/5/94 (incl. Test Procedure)
Figure 1 dated 27/5/94

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



National Standards Commission

TECHNICAL SCHEDULE No 6/18/30

Pattern: Mettler Toledo Model 2298 Overhead Weighing Instrument.

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

1. Description of Pattern

A Mettler Toledo model 2298 overhead weighing instrument of 600 kg maximum capacity and approved for use with up to 3000 verification scale intervals.

1.1 Trackwork

The model 2298 trackwork (Figure 1) has the weigh-rail up to 1200 mm long supported by two load cells.

1.2 Load Cells

Two Mettler Toledo model 725 load cells of 907 kg capacity are used and mounted as shown in Figure 1. Note that only this make, model and capacity of load cell shall be used.

1.3 Indicator

A Mettler Toledo model 8140 digital indicator is used. The indicator is also described in the documentation of NSC approval No S206A.

1.4 Verification/Certification Provision

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

1.5 Sealing Provision

Provision is made for the calibration adjustments to be sealed by placing a destructive label across the joint of the halves of the indicator casing.

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1.6 Markings

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

Manufacturer's name or mark		
Serial number		
NSC approval numbers	- instrument	NSC No 6/18/30
	- indicator	NSC No S .....
Load cell serial numbers (#)		
Accuracy class		(III)
Maximum capacity		Max ..... kg *
Minimum capacity		Min ..... kg *
Verification scale interval		e = ... kg *

* These are repeated adjacent to each reading face.

\# Alternatively, these may be marked adjacent to the verification mark.

2. Description of Variant 1

Of 300 kg maximum capacity and approved for use with up to 3000 verification scale intervals.

TEST PROCEDURE

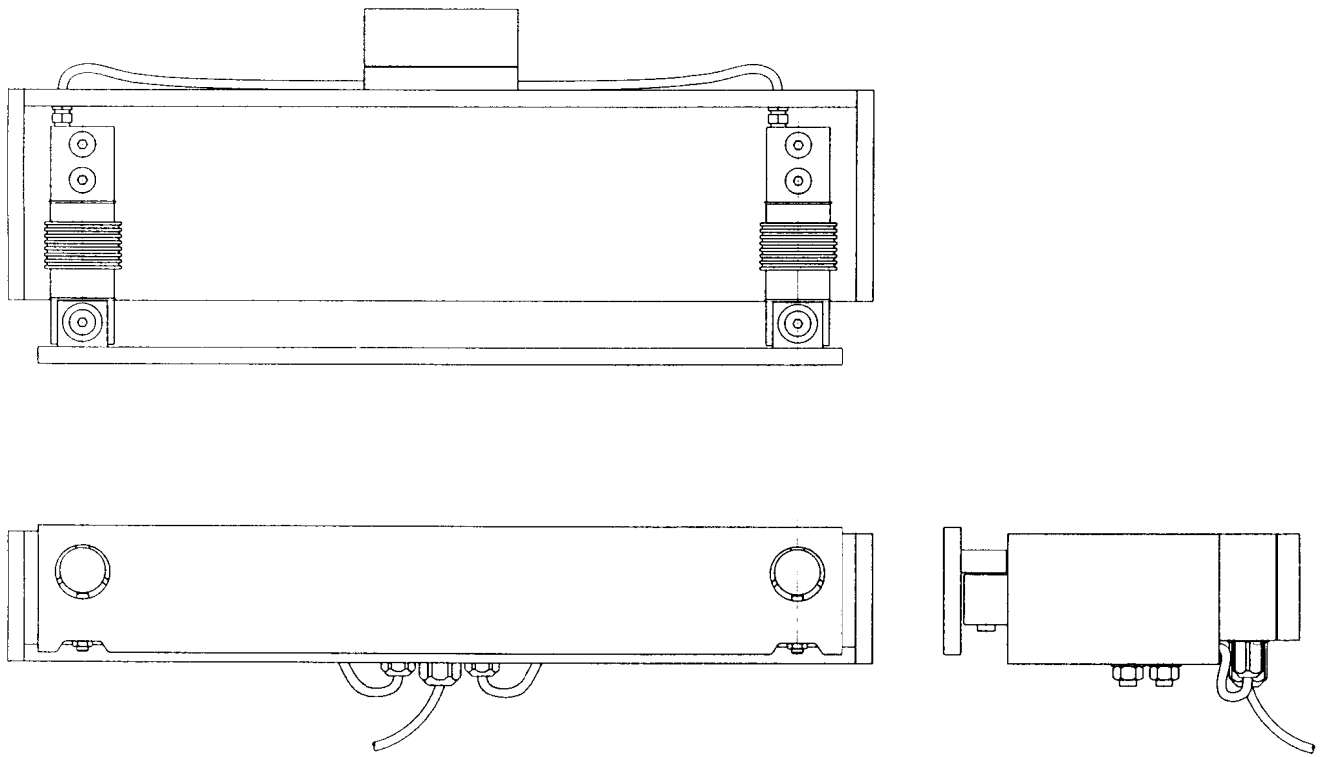
Instruments should be tested in conjunction with any tests specified in the approval documentation for the indicator used, and in accordance with any relevant tests specified in the Inspector's Handbook.

Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads, expressed in terms of verification scale interval (e), with the instrument adjusted to zero within ±0.25e at no load, are:

±0.5e for loads from 0 to 500e;
±1.0e for loads over 500e up to 2000e; and
±1.5e for loads over 2000e.

FIGURE 6/18/30 - 1



Mettler Toledo Model 2298 Overhead Weighing Instrument