



Australian Government

**National Measurement
Institute**

12 Lyonpark Road, North Ryde NSW 2113

Cancellation
Supplementary Certificate of
Approval No S376

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 8530 Cougar Digital Indicator

submitted by Mettler Toledo Pty Ltd
525 Graham Street
Port Melbourne VIC 3207

has been cancelled in respect of new instruments as from 1 November 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.', written in a cursive style.



National Standards Commission

12 Lyonpark Road, North Ryde NSW

Supplementary Certificate of Approval

No S376

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 8530 Cougar Digital Indicator

submitted by Mettler Toledo Pty Ltd
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 June 2005, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No S376 and only by persons authorised by the submitter.

Instruments incorporating a digital indicator purporting to comply with this approval shall be marked NSC No S376 in addition to the approval number of the instrument.

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 values of the performance criteria (maximum number of scale intervals etc.) applicable to an instrument incorporating the pattern approved herein shall be within the limits specified herein and in any approval documentation for the other components.

The Commission reserves the right to examine any instrument or digital indicator of an instrument purporting to comply with this approval.

Special:

Instruments purporting to comply with this approval shall only be used with compatible Commission-approved Mettler Toledo 'DigiTOL' and 'DigiTOL POWERCELL' digital load cells.

DESCRIPTIVE ADVICE

Pattern: approved 5 May 2000

- A Mettler Toledo model 8530 Cougar single or multi-interval digital indicator.

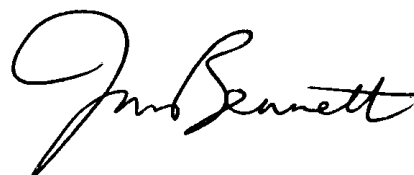
Technical Schedule No S376 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S376 dated 2 June 2000
Technical Schedule No S376 dated 2 June 2000 (incl. Table 1 and Test
Procedure)
Figures 1 and 2 dated 2 June 2000

Signed by a person authorised under Regulation 63 of the National Measurement Regulations 1999 to exercise the powers and functions of the Commission under this Regulation.



TECHNICAL SCHEDULE No S376

Pattern: Mettler Toledo Model 8530 Cougar Digital Indicator.

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

1. Description of Pattern

A Mettler Toledo model 8530 Cougar single or multi-interval digital indicator (Figure 1 and Table 1) approved for use only with compatible Commission-approved Mettler Toledo 'DigiTOL' and 'DigiTOL POWERCELL' digital load cells.

The maximum number of verification scale intervals (vsi) applicable is determined by the number of vsi given in the approval documentation for the load cells used.

1.1 Zero

Zero is automatically corrected to within $\pm 0.25e_1$ whenever the instrument comes to rest within $0.5 e_1$ 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 20% of the maximum capacity of the instrument.

1.2 Tare

A semi-automatic and/or a non-automatic keyboard-entered subtractive pre-set taring device, each having a capacity 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 Sealing Provision

Provision is made for the calibration adjustment to be sealed by sealing the front panel to the main housing (Figure 2).

1.5 Verification/Certification Provision

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

1.6 Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Mettler Toledo, Inc. USA
Name or mark of manufacturer's agent	Mettler Toledo Limited
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 indicator	NSC No S376

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

Single-range instruments only have one value of *Max* and of *e*.

In addition, instruments not greater than 100 kg capacity shall carry a notice stating NOT TO BE USED FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

TEST PROCEDURE

Instruments should be tested in conjunction with any tests specified in the approval documentation for the instrument to which the pattern is connected, as appropriate, 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 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 $2\,000 < m \leq 10\,000$.

For multi-interval instruments with verification scale intervals e_1, e_2, \dots , apply e_1 , for zero adjustment, and for maximum permissible errors apply e_1, e_2, \dots , as applicable for the load.

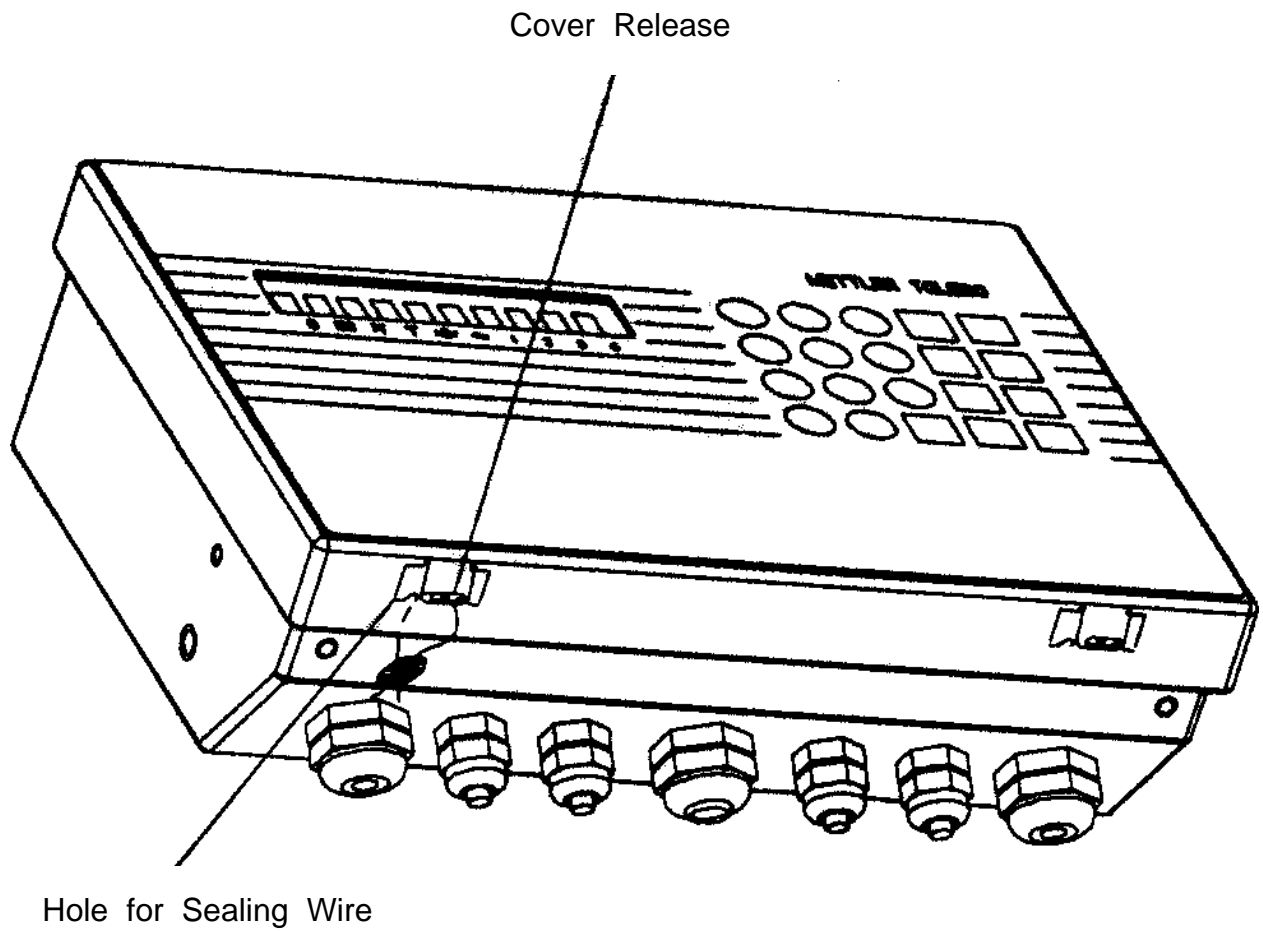
FIGURE S376 - 1



Mettler Toledo Model 8530 Cougar Digital Indicator

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2 June 2000

FIGURE S376 - 2



Showing Sealing