



# Australian Government

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## National Standards Commission

12 Lyonpark Road, North Ryde NSW 2113 Australia

### Cancellation

### Certificate of Approval No 6/4D/282

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

Mettler Toledo Model 8270 Weighing Instrument

submitted by Mettler Toledo Limited  
now of 220 Turner Street  
Port Melbourne VIC 3027

has been cancelled in respect of new instruments as from 1 December 2003.

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.

A handwritten signature in black ink, appearing to be "J. H. C.", written on a light-colored rectangular background.



## **National Standards Commission**

12 Lyonpark Road, North Ryde NSW

### **Certificate of Approval**

**No 6/4D/282**

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 8270 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

### CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 March 2002, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6/4D/282 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:** provisionally approved 4 February 1997  
approved 28 October 1997

- A Mettler Toledo model 8270 weighing instrument of 20 kg maximum capacity.

**Variant:** approved 28 October 1997

1. For use in a network.

Technical Schedule No 6/4D/282 describes the pattern and variant 1.

**Variant:** approved 27 March 2000

2. With a Mettler Toledo model 8361 'touch screen' indicator.

Technical Schedule No 6/4D/282 Variation No 1 describes variant 2.

### FILING ADVICE

Certificate of Approval No 6/4D/282 dated 9 March 1998 is superseded by this Certificate, and may be destroyed. The documentation for this approval now comprises:

Certificate of Approval No 6/4D/282 dated 11 July 2000

Technical Schedule No 6/4D/282 dated 9 March 1998 (incl. Test Procedure)

Technical Schedule No 6/4D/282 Variation No 1 dated 11 July 2000

Figures 1 to 3 dated 9 March 1998

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 6/4D/282

**Pattern:** Mettler Toledo Model 8270 Weighing Instrument.

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

### 1. Description of Pattern

A Mettler Toledo model 8270 price-computing weighing instrument of 20 kg maximum capacity with a verification scale interval of 0.005 kg.

Instruments are comprised of a model 8270 basework (Figure 1) and a model 8360 'touch screen' indicator (Figure 2).

Instruments have unit price to \$999.99/kg, price to \$9999.99, a price look up (PLU) facility, and may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

Instruments are not to be used for trading direct with the public and are so marked.

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

#### 1.1 Zero

Zero is automatically corrected to within  $\pm 0.25 e$  whenever power is applied and whenever the instrument comes to rest within  $0.5e$  of zero.

The initial zero-setting device has a nominal range of not more than 20% of the maximum capacity of the instrument.

#### 1.2 Tare

A pre-set subtractive taring device of up to 10 kg maximum capacity may be fitted.

#### 1.3 Display Check

A display check is initiated whenever power is applied.

#### 1.4 Sealing Provision

Provision is made for access to the calibration adjustments to be sealed as shown in Figure 3.

## 1.5 Verification/Certification Provision

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

## 1.6 Levelling

Instruments are provided with adjustable feet and a level indicator.

## 1.7 Markings and Notices

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

Manufacturer's mark, or name written in full	
Indication of accuracy class	Ⓜ
Maximum capacity	Max ..... kg *
Minimum capacity	Min ..... kg *
Verification scale interval	e = ..... kg *
Tare capacity	T = ..... kg *
Serial number of the instrument	
Pattern approval mark for the instrument	NSC No 6/4D/282
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.

In addition, instruments are marked NOT TO BE USED FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

## 2.1 Variant 1

The instrument may be connected in a network with compatible Mettler Toledo instruments, to share common PLU data, and to accumulate and retrieve management information.

The model 8360 indicator is available as a 'satellite' or as a 'master'. An 8360 master indicator contains a 'master' circuit board and memory to operate as a network master in addition to the circuitry of the 'satellite'.

Each satellite in the network is able to access the network master for programming common PLU data and other management functions (only one instrument in the network can carry out such functions at any time).

In addition, the network may be interfaced with a computer for the collection of management data, or the downloading of PLU data.

Note: The weighing and price-computing functions of each weighing instrument in the network are independent, and the removal, repair or replacement of a particular weighing instrument does not necessitate reverification of any other weighing instrument in the network.

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

Ensure that instruments are being used within the special temperature limits specified in this approval.

TECHNICAL SCHEDULE No 6/4D/282  
VARIATION No 1

**Pattern:** Mettler Toledo Model 8270 Weighing Instrument.

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

**1. Description of Variant 2**

With a Mettler Toledo model 8361 'touch screen' indicator which has the same features/capabilities and appearance as the model 8360 indicator described for the pattern (Figure 2).

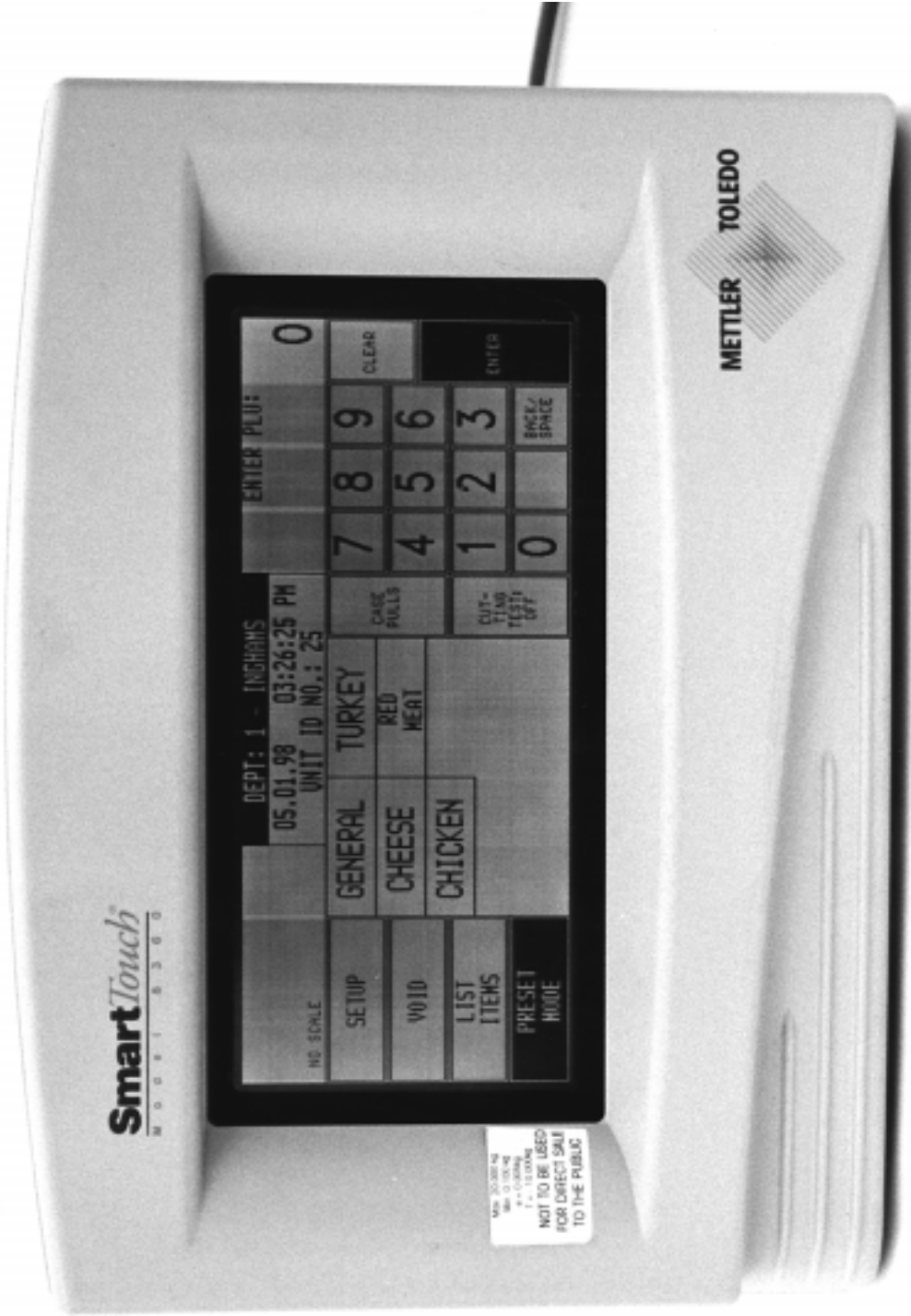
FIGURE 6/4D/282 - 1



Mettler Toledo Model 8270 Basework



FIGURE 6/4D/282 - 2



Mettler Toledo Model 8360 Indicator

FIGURE 6/4D/282 - 3



Showing Sealing