CANCELLED

NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 6/4C/46

This is to certify that an approval has been granted that the pattern of the

Mettler Model PC 24 Weighing Instrument

submitted by FSE Scientific
40 Hilly Street
Mortlake Point NSW 2137

is suitable for use for trade.

This approval is subject to review on or after 1/8/89.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/46.

This approval may be withdrawn if instruments are constructed and used other than in accordance with the drawings and specifications lodged with the Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 31/7/84

. Mettler model PC 24 Class II self-indicating weighing instrument of 24000 g capacity with 1 g verification scale intervals and with semi-automatic tare to maximum capacity.

Technical Schedule No 6/4C/46 describes the pattern.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No 6/4C/46 dated 17/7/85
Technical Schedule No 6/4C/46 dated 17/7/85
Test Procedure No 6/4C/46 dated 17/7/85
Figure 1 dated 17/7/85

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 6/4C/46

Pattern: Mettler Model PC 24 Weighing Instrument

Submittor: FSE Scientific
40 Hilly Street
Mortlake Point NSW 2137

1. Description of Pattern

The pattern is a Class II weighing instrument of 24000 g capacity with 1 g verification scale intervals.

When power is applied a segment check is initiated before zero is indicated.

1.1 Zero and Tare

Zero setting and taring are accomplished by means of a switch bar on the front of the instrument which sets zero to within $\pm$0.25e as indicated by + or - signs. The removal of a tared load from the instrument will result in the value of the tare rounded to the nearest 0.25e being displayed preceded by a minus sign. The semi-automatic taring device has a capacity up to the maximum capacity of the instrument.

1.2 Levelling

The instrument is supported on three feet, two of which are adjustable. Adjacent to the level indicator is a notice advising that the instrument is incorrect if not truly level.

1.3 Markings

The instrument is marked with the following data, together in one location:

Manufacturer's name or mark	
Serial number	
NSC approval number	NSC No 6/4C/46
Accuracy class	(II)
Maximum capacity	Max 24000 g*
Minimum capacity	Min 50 g*
Verification scale interval	e = d = 1 g*
Maximum subtractive tare	T = -24000 g

This instrument is also marked NOT FOR RETAIL COUNTER USE.

1.4 Verification Provision

Provision is made for a verification mark to be applied.

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*These markings are repeated close to the reading face if not already in that vicinity.

TEST PROCEDURE No 6/4C/46

The maximum permissible errors are:

±0.5e for loads between 0 and 5000e;
±1.0e for loads between 5001e and 20000e; and
±1.5e for loads above 20000e.

1. Range of Indication

The mass indication should blank or show non-numerical symbols not more than 10 verification scale intervals above the marked maximum capacity, Max.

2. Tare

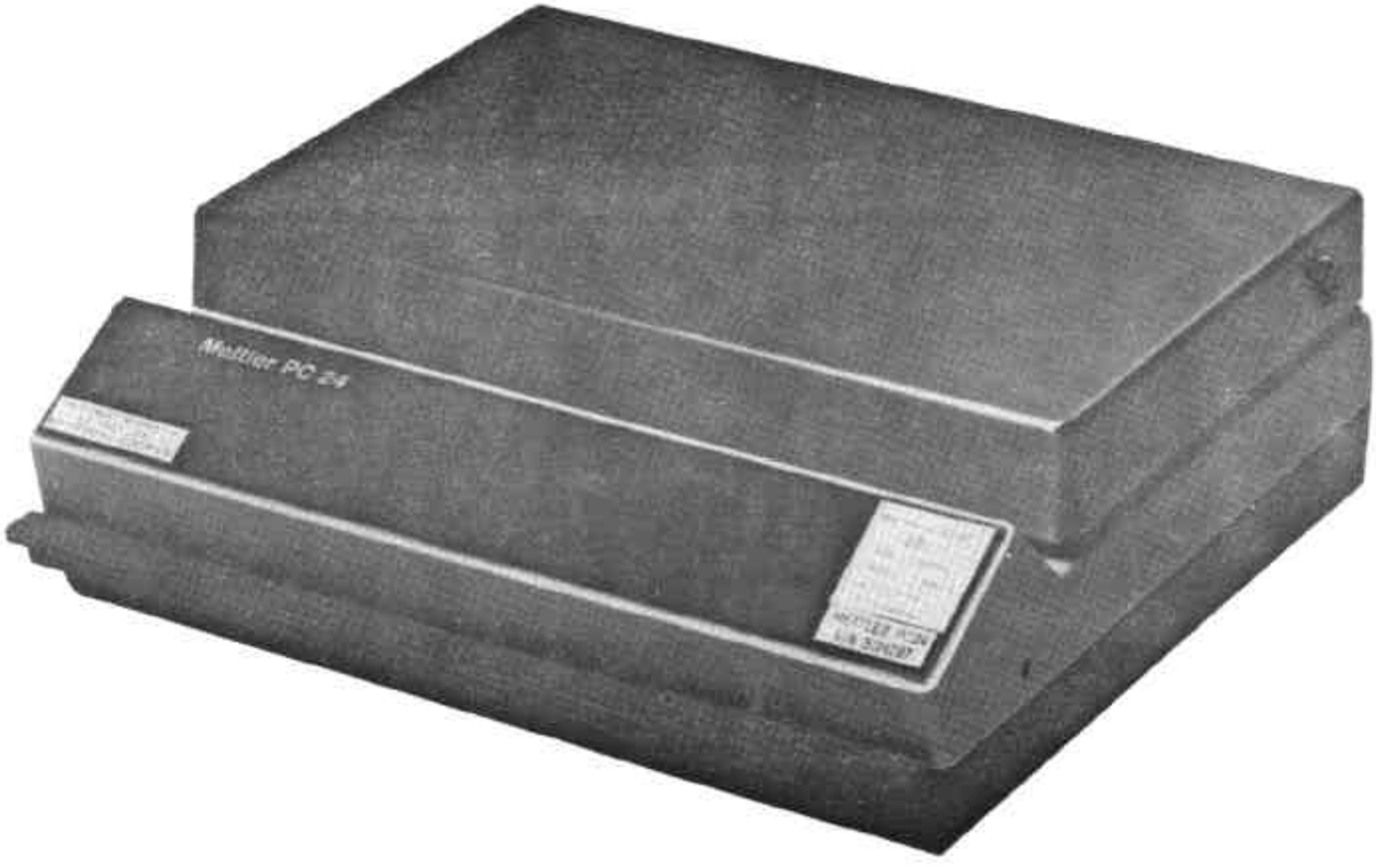
Place a mass equivalent to the maximum tare capacity plus 11 e on the load receptor and attempt to set tare; this should not be possible.

Place masses equal to 80% of maximum tare capacity on the load receptor and operate the tare bar. Then place masses up to 20% of the maximum tare capacity on the load receptor. The indication of these masses should be within the above maximum permissible errors.

3. Load Test

Test loads are to be applied to the instrument in not less than 5 approximately equal steps increasing to maximum capacity, followed by decreasing loads in not less than 5 approximately equal steps to zero load.

FIGURE 6/4C/46 - 1



Mettler PC 24