



NATIONAL STANDARDS COMMISSION

WEIGHTS & MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

CERTIFICATE OF APPROVAL No 2/1/5

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

Turner 655 Area-measuring Instrument

submitted by Howe & Co. Pty Ltd,
103 High Street,
Preston, Victoria, 3072,

is suitable for use for trade.

The approval of the pattern is subject to review on or after 1/4/86.

All instruments purporting to comply with this approval shall be marked NSC No 2/1/5.

Relevant drawings and specifications are lodged with the Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 10/8/81

. Turner 655 Area-measuring Instrument

Technical Schedule No 2/1/5 dated 25/9/81 describes the pattern.



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No 2/1/5

Pattern: Turner 655 Area-measuring Instrument

Submittor: Howe & Co, Pty Ltd,
103 High Street,
Preston, Victoria, 3072.

1. Description of Pattern

The pattern (Figure 1) is an instrument for measuring the area of sheets of leather. The area of a sheet is determined by passing it between a light source contained within a rotating glass drum and a series of measuring arms. The working width of the instrument is 3.25 metres, and the feed rate is fixed at 25 ± 0.1 metres per minute.

A series of test routines is incorporated in the design of the instrument. These automatic checks are performed after each sheet is passed through the machine and at the end of each batch total. In addition, a TEST button can be manually selected at anytime to invoke the tests. If the instrument detects a fault it becomes inoperative. A LAMP TEST button on the side of the display unit when pressed causes 8's to be displayed.

2. Markings

The instrument is marked with the following data:

Manufacturer's name	
Serial number	
Year of manufacture	
NSC approval number	NSC No 2/1/5
Scale interval	1 dm ²
Maximum area	8125 dm ²
Minimum area	20 dm ²

3. Sealing

- (a) The cover over the 'times ten' multiplier switch is sealed with a lead and wire seal (Figure 2).
- (b) A stamping plug is provided in the vicinity of the nameplate (Figure 3).

TEST PROCEDURE No 2/1/5

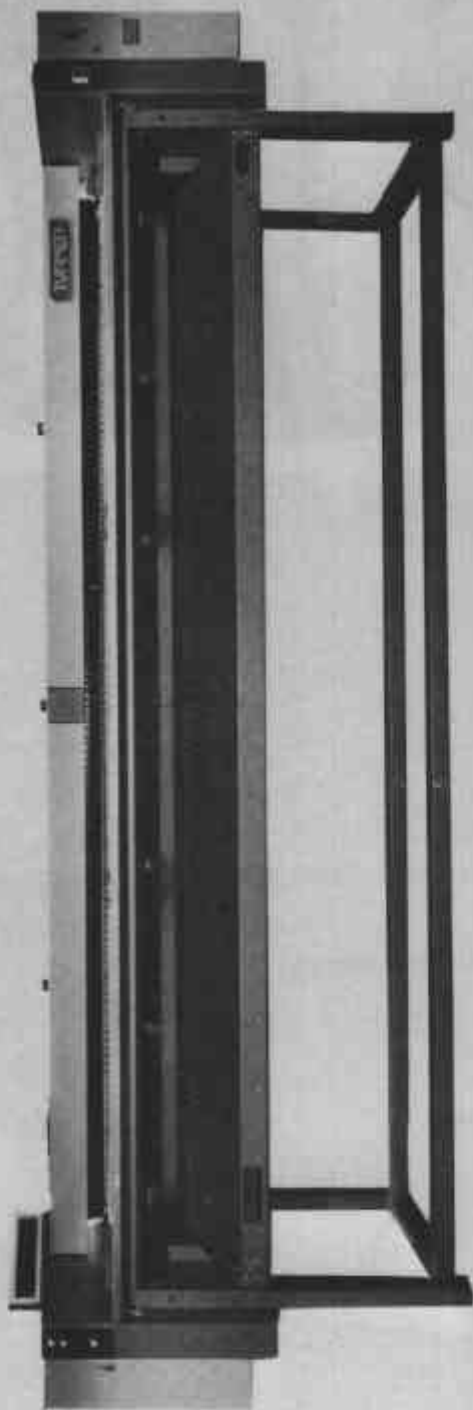
1. Measurement of the templets in the combinations of areas listed in Table 1, within tolerance, will establish whether the instrument performance is in conformity with the approved pattern.

TABLE 1

Test Area dm ²	Templets dm ²	Tolerance on each of 20 measurements dm ²	Tolerance on mean of 20 measurements dm ²
20	20	± 1	± 0.5
30	10 + 20	± 2	± 1
70	20 + 50	± 2	± 1
80	10 + 20 + 50	± 3	± 1.5
100	100	± 3	± 1.5
120	20 + 100	± 3	± 1.5

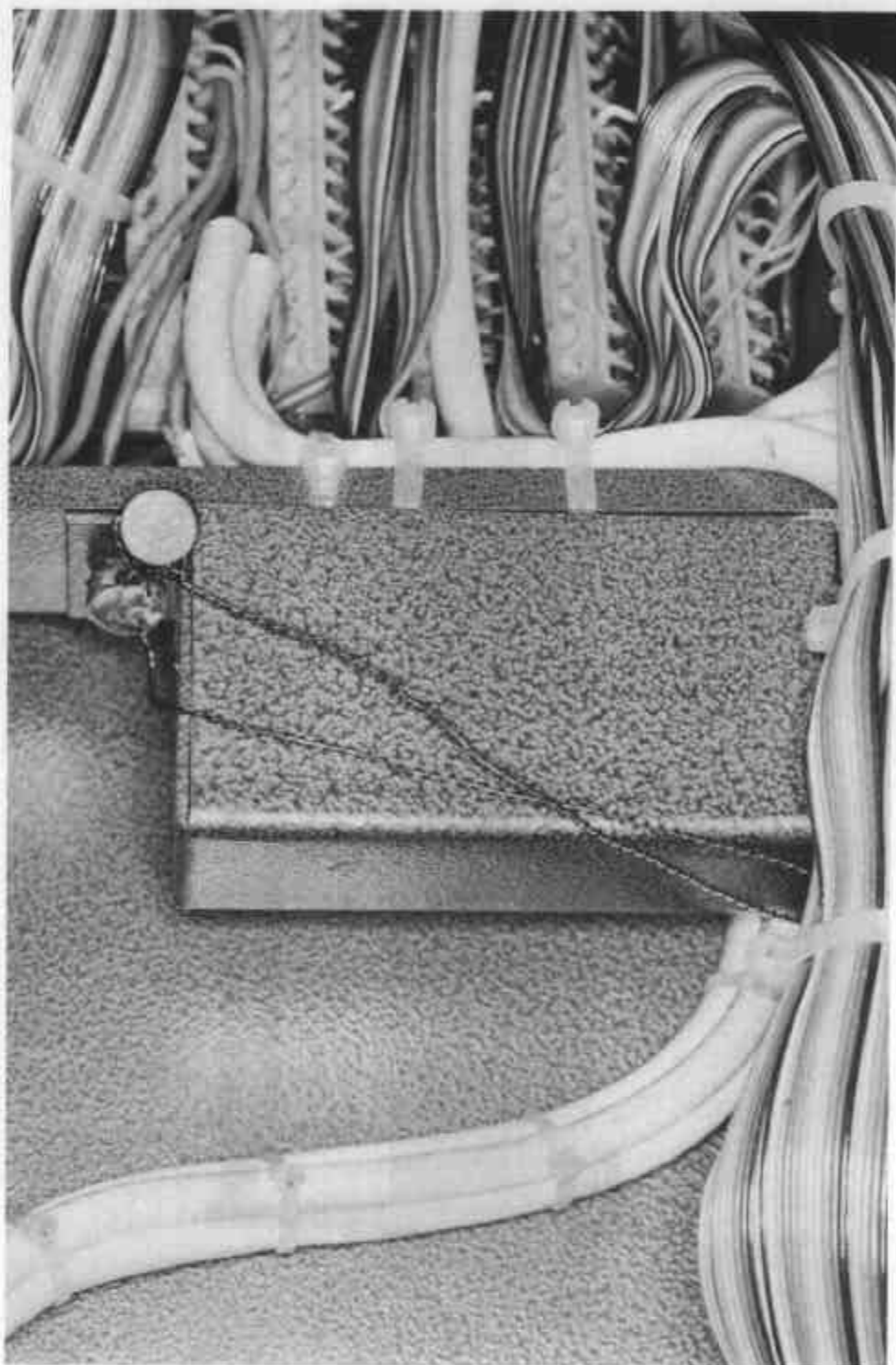
Test Procedure - Turner 655 Area-measuring Instrument.

FIGURE 2/1/5 - 1



Turner 655 Area-measuring Instrument

FIGURE 2/1/5 - 2



Sealing of Multiplier Switch

FIGURE 2/1/5 - 3



Stamping Plug and Nameplate