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CANCELLED

NATIONAL STANDARDS COMMISSION
WEIGHTS & MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S117

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

Interface Model SM 25 Load Cell Of 12 kg Capacity

submitted by Mercury Scale Company Pty Ltd,
32 Dew Street,
Thebarton, South Australia, 5031,

are suitable for use for trade, when used in a Commission-approved weighing instrument.

The approval of the pattern and variant is subject to review on or after 30/12/85.

Any instrument fitted with a load cell purporting to comply with this approval shall be marked NSC No S117 in addition to the approval number of the instrument.

Relevant drawings and specifications are lodged with the Commission.

Conditions of Approval

1. The number of scale intervals applicable to the weighing instrument will be no greater than the number of verification scale intervals approved for the basework, or the load cell, or the headwork, whichever is the smallest.
2. The load cells to be used shall be subject to regular certification by the National Standards Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 10/4/81

. Interface load cell model SM 25 of 12 kg capacity.

Variant: approved 10/4/81

1. Of 45 kg capacity, known as model SM 100.

Technical Schedule No S117 dated 11/5/81 describes the pattern and variant 1.

Variant: approved 10/9/82

2. Of 110 kg capacity, known as model SM 250.

Technical Schedule No S117 Variation No 1 dated 21/10/82 describes variant 2.

21/10/82

...../2

Filing Advice

Certificate of Approval No S117 dated 11/5/81 is superseded by this Certificate and may be destroyed.

Table 1 dated 11/5/81 is replaced by Table 1 dated 21/10/82.

The documentation for this approval now consists of:

- Certificate of Approval No S117 dated 21/10/82
- Technical Schedule No S117 dated 11/5/81
- Technical Schedule No S117 Variation No 1 dated 21/10/82 (including Table 1)
- Figure 1 dated 11/5/81.

21/10/82



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S117

Pattern: Interface Model SM 25 Load Cell of 12 kg Capacity

Submittor: Mercury Scale Company Pty Ltd,
32 Dew Street,
Thebarton, South Australia, 5031.

1. Description of Pattern

The pattern is an Interface Model SM 25 Load Cell of 12 kg capacity. (See Figure 1 and Table 1) assembled in a Commission-approved basework.

1.1 Method of mounting

Mounting is to be as shown in Figure 1.

1.2 Marking

The following is the minimum of data required to be marked on the load cell:

Manufacturer's name
Model number
Serial number
Output in the form: mV/V
Maximum rated capacity

2. Description of Variant

2.1 Variant 1

Interface model SM 100 load cell of 45 kg capacity (see Figure 1 and Table 1).

TABLE 1

Type	SM 25	SM 100
Capacity	12 kg	45 kg
Max. no of verification scale intervals	1500	2500
Min. dead load	1.2 kg	4.5 kg
Min. measuring range	4.8 kg	18.0 kg
Max. Measuring range	12.0 kg	45.0 kg

Interface Model SM Load Cells - approved capacities and ranges



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S117

VARIATION No 1

Pattern: Interface Model SM 25 Load Cell Of 12 kg Capacity

Submittor: Mercury Scale Company Pty Ltd,
32 Dew Street,
Thebarton, South Australia, 5031.

1. Description of Variant 2

An Interface model SM 250 load cell of 110 kg capacity (see Figure 1 dated 11/5/81 and Table 1 below).

TABLE 1

This table replaces Table 1 included in Technical Schedule No S117 dated 11/5/81.

Type	SM 25	SM 100	SM 250
Maximum Capacity	12 kg	45 kg	110 kg
Maximum number of verification scale intervals	1500	2500	1500
Minimum verification scale interval	0.005 kg	0.01 kg	0.05 kg
Minimum dead load	1.2 kg	4.5 kg	11.0 kg
Cable length (Note)	-	-	-

Note: Load cells may be supplied with various lengths of cable to suit the application.

Cable length should not be altered from that supplied unless lengthened by coupling to a junction box with provision for running 'sense' leads to the Commission-approved indicator.

21/10/82



25/3/88

NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

VARIOUS CERTIFICATES OF APPROVAL

The following changes are made to the approval documentation for the approvals listed overleaf

submitted by Mercury Weighing and Control Systems Pty Ltd
32 Dew Street
Thebarton SA 5031.

In the Certificates and Technical Schedules listed, the following changes should be made:

- 1) The submittor should be changed to read;
A & D Mercury Pty Ltd
(the address remains unchanged)

- 2) Any Mercury instrument or component of an instrument approved in the documentation, may now also be known as "AND Mercury" or similar.

Signed

Executive Director

APPROVALPATTERN

TYPE: weighing instruments counter scales

6/3/007 Model 92
6/3/008 Model 131

TYPE: counter machines semi-self-indicating

6/4A/012 Model 304A

TYPE: counter machines freely-suspended < 30 kg (spring scales)

6/5/011 Model 211 DA

TYPE: weighing instruments non-self-indicating

6/9A/001 Models 692 and 682
6/9A/004 Model 522D
6/9A/007 Model 211
6/9A/008 Model 600

TYPE: weighing instruments self-indicating

6/9C/005 Model 211D
6/9C/013 Up to 2500 lb or 1200 kg
6/9C/066 Model 522 AL
6/9C/067 Model SM100/479/522D
6/9C/081 Model SB-LP 1200
6/9C/088 Model 522D LT-10K

TYPE: weighbridges self-indicating

6/10B/040 Model WB-LT
6/10B/045A Model RVB-H20

TYPE: automatic weighing instruments (except belt conveyors)

6/14B/012 Model HSD automatic hopper

TYPE: overhead weighing instrument (suspended load or receptor)

6/18/005 With 211DA headwork
6/18/017 Model OHT 500

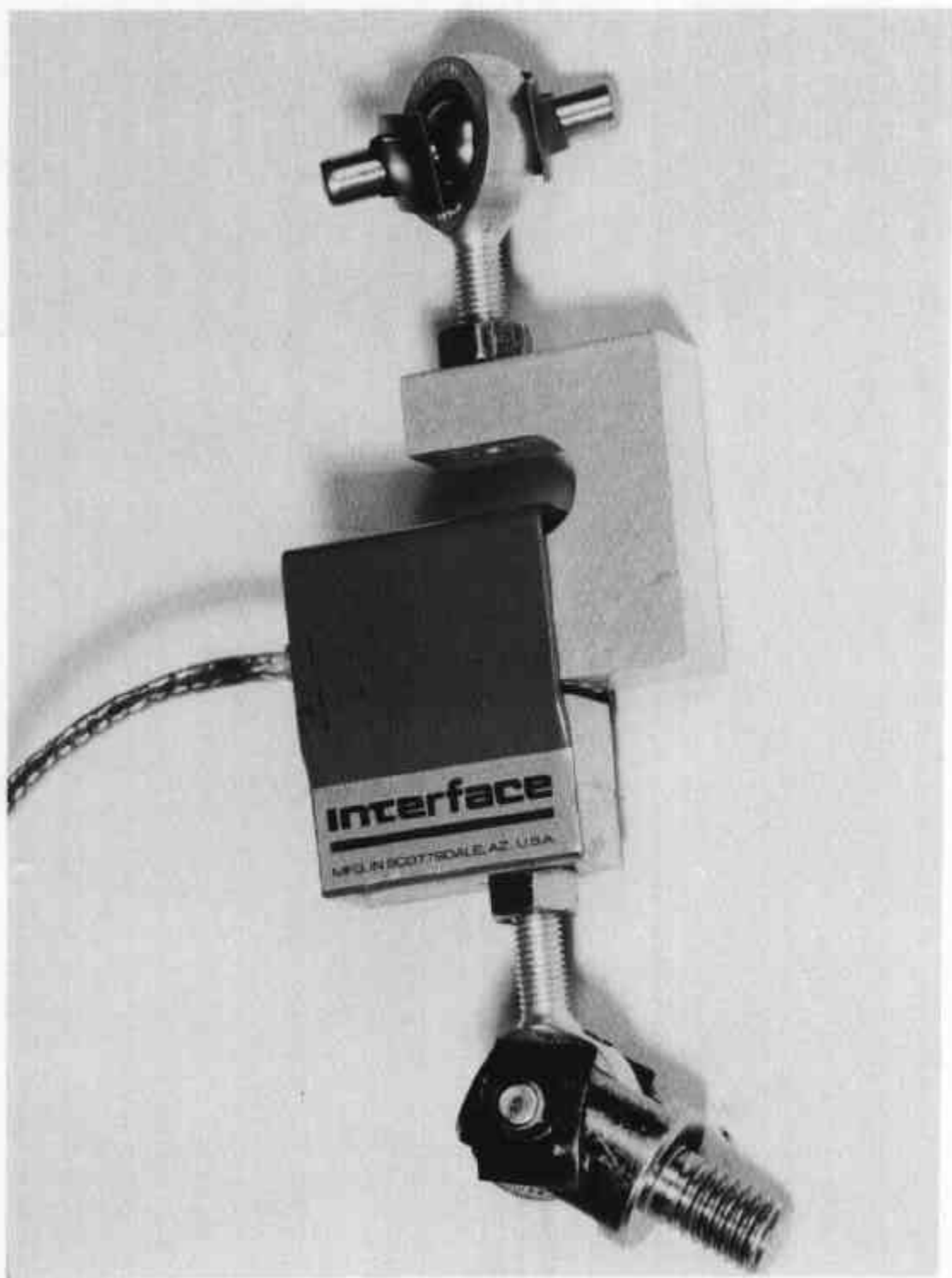
TYPE: digital indicators

S114 Model 579
S128 Model 1300
S132 Model 900
S161 Model AD4316
S199 Model AD-4321

TYPE: load cells

S117 Interface model SM25-12 kg
S163 Transducers model B5112.1K
S221 HBM model TRT-50 (Mercury model TRT3K-50)

FIGURE S117 - 1



Interface Load Cell

11/5/81