



CANCELLED

S163
25/6/84

NATIONAL STANDARDS COMMISSION

WEIGHTS AND MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S163

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

Transducer Model B5112-1K Load Cell of 450 kg Capacity

submitted by Mercury Weighing And Control Systems Pty Ltd
32 Dew Street
Thebarton, South Australia, 5031

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

The approval is subject to review on or after 1/7/89.

Instruments incorporating a load cell purporting to comply with this approval shall be marked NSC No S163 in addition to the approval number of the instrument.

The approval may be withdrawn if load cells are constructed and used other than as described in the drawings and specifications lodged with the Commission.

Conditions of Approval

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

Signed

Executive Director

Descriptive Advice

Pattern: approved 7/6/84

. Transducer model B5112-1K load cell of 450 kg capacity.

Technical Schedule No S163 describes the pattern.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No S163 dated 25/6/84
Technical Schedule No S163 dated 25/6/84
Figures 1 and 2 dated 25/6/84.



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S163

Pattern: Transducer Model B5112-1K Load Cell Of 450 kg Capacity

Submittor: Mercury Weighing And Control Systems Pty Ltd
32 Dew Street
Thebarton, South Australia, 5031.

1. Description of Pattern

The pattern is a Transducer model B5112-1K load cell of 450 kg capacity (see Figure 1 and Table 1) and is assembled in a Commission-approved basework.

1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in one of the methods illustrated in Figure 2.

1.2 Marking

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

Manufacturer's name or mark
Model number
Serial number
Maximum rated capacity
Approval number

NSC No S163

TABLE 1

Type: Transducer	B5112-1K
Maximum capacity	450 kg
Maximum number of verification scale intervals	1000
Minimum dead load	20 kg
Minimum value of verification scale interval	0.1 kg
Input impedance (nominal)	350 Ω
Supply voltage	10 V DC
Output rating (nominal)	2 mV/V
Cable length (nominal)	3, 15 or 20 m
Number of leads	4



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

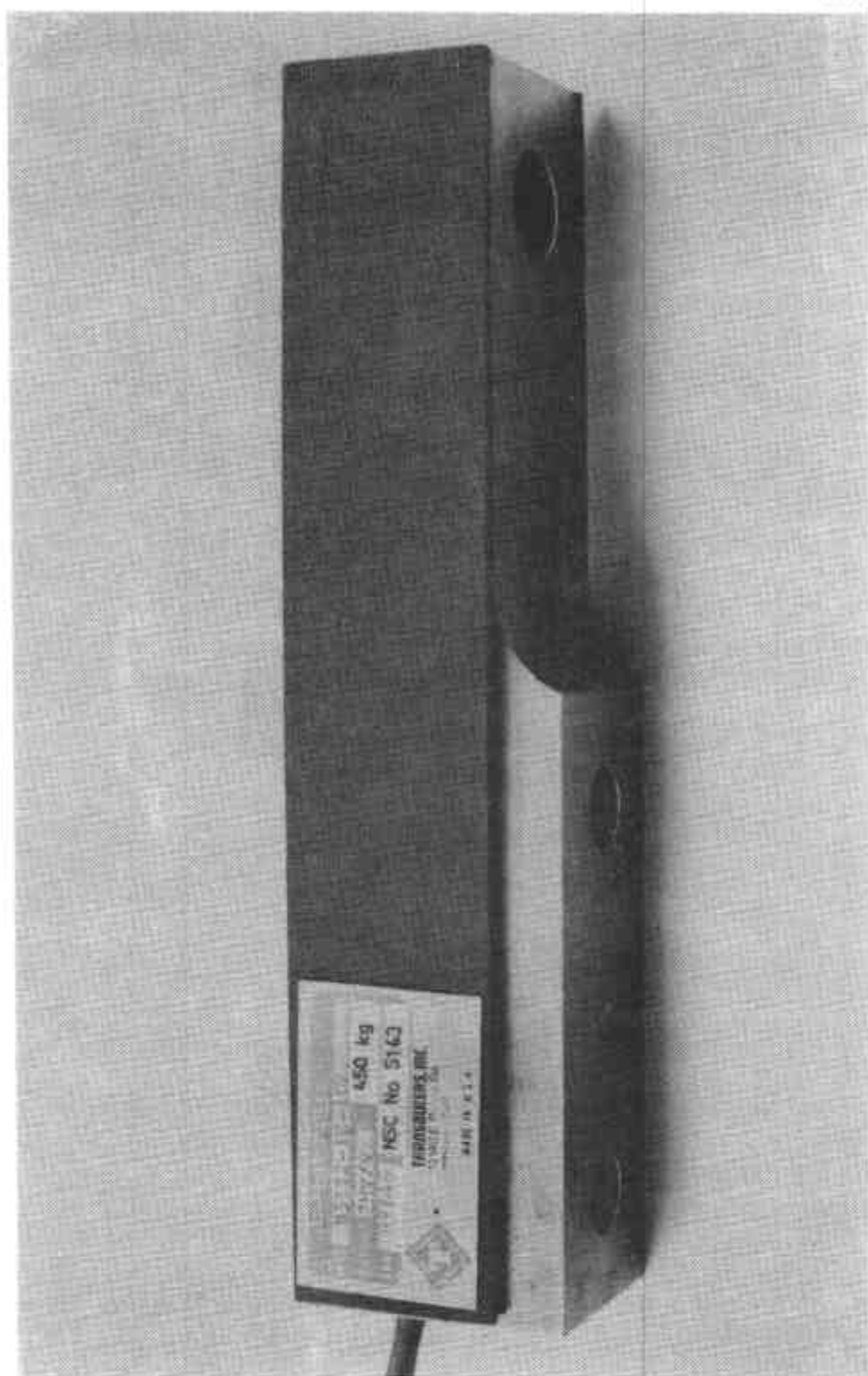
TYPE: load cells

S117 Interface model SM25-12 kg

S163 Transducers model B5112.1K

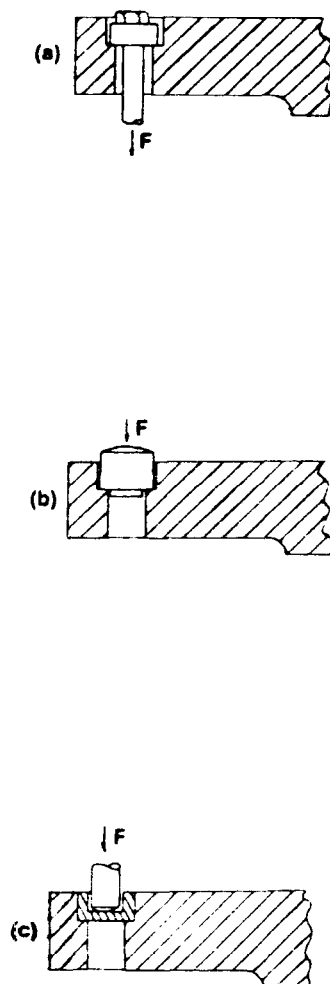
S221 HBM model TRT-50 (Mercury model TRT3K-50)

FIGURE S163 - 1



Transducer 85112-1K Load Cell

FIGURE S163 - 2



Typical Load Applications