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31-12-90

NATIONAL STANDARDS COMMISSION

WEIGHTS & MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S122

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

Avery Model 8791 Load Cell of 4500 kg capacity

submitted by Avery Australia Limited,
3-5 Birmingham Avenue,
Villawood, New South Wales, 2163,

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

The approval of the pattern and variants is subject to review on or after 30/4/86.

All instruments modified by the fitting of a load cell purporting to comply with this approval shall be marked NSC No S122 in addition to the approval number of the unmodified pattern.

Relevant drawings and specifications are lodged with the Commission.

Conditions of Approval

1. The number of scale intervals applicable to the whole instrument will be no greater than the number of verified 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 12/5/81

- . Avery Model 8791 load cell of 4500 kg capacity.

Technical Schedule No S122 dated 5/6/81 describes the pattern.

5/6/81



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S122

Pattern: Avery Model 8791 Load Cell of 4500 kg capacity

Submitter: Avery Australia Limited,
3-5 Birmingham Avenue,
Villawood, New South Wales, 2163.

1. Description of Pattern

The pattern is an Avery Model 8791 Load Cell of 4500 kg capacity (see Figure 1 and Table 1) assembled in a Commission-approved basework.

1.1 Method of mounting

1.1.1 Mounting is to be with a minimum free length of 400 mm as shown in Figure 2.

1.1.2 The load cell cable is to be terminated in an adequately constructed junction box (see Figures 3 and 4).

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

TABLE 1

Type	8791
Capacity	4500 kg
Number of verification scale units	2500
Minimum dead load	130 kg
Minimum measuring range	1800 kg
Maximum " "	4500 kg

Table of approved load cell capacities

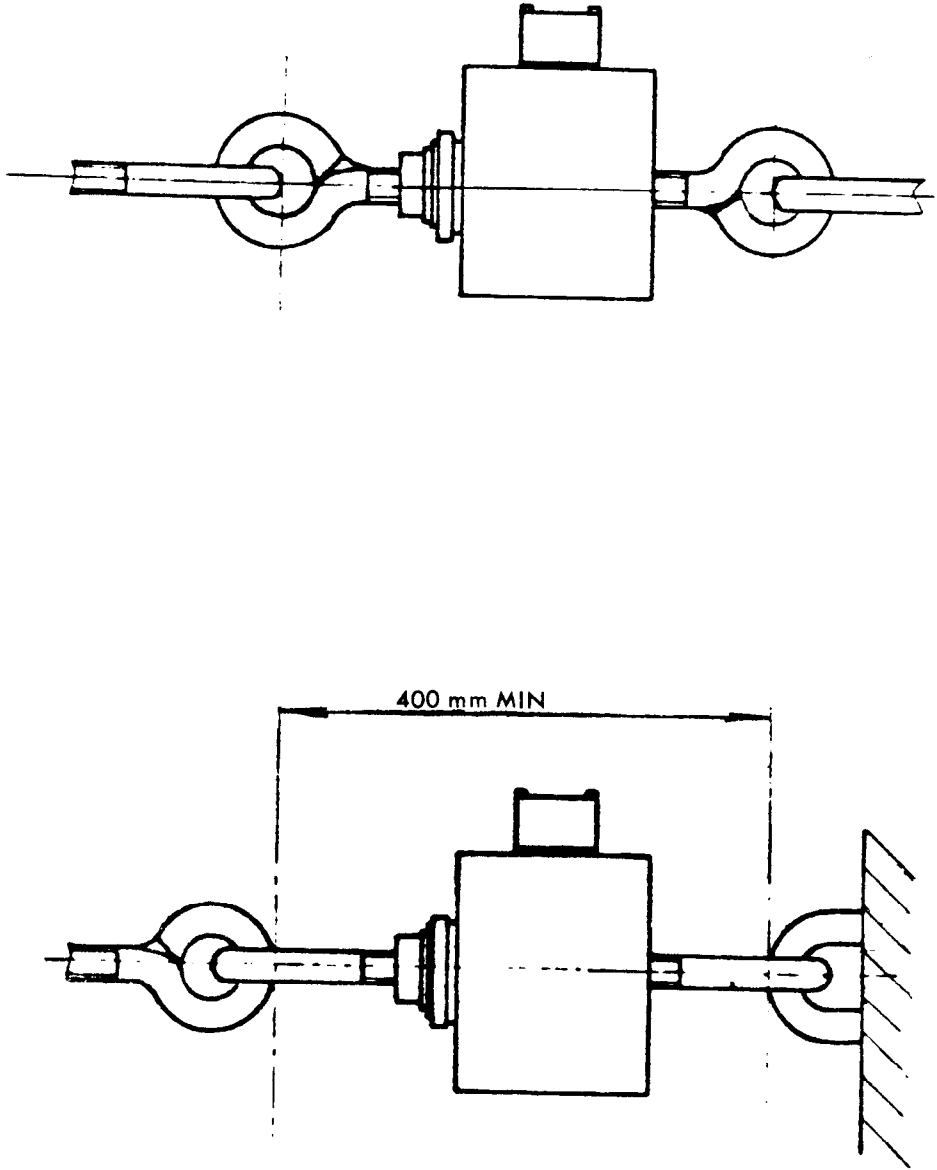
FIGURE S122 - 1



Avery 8791 Load Cell

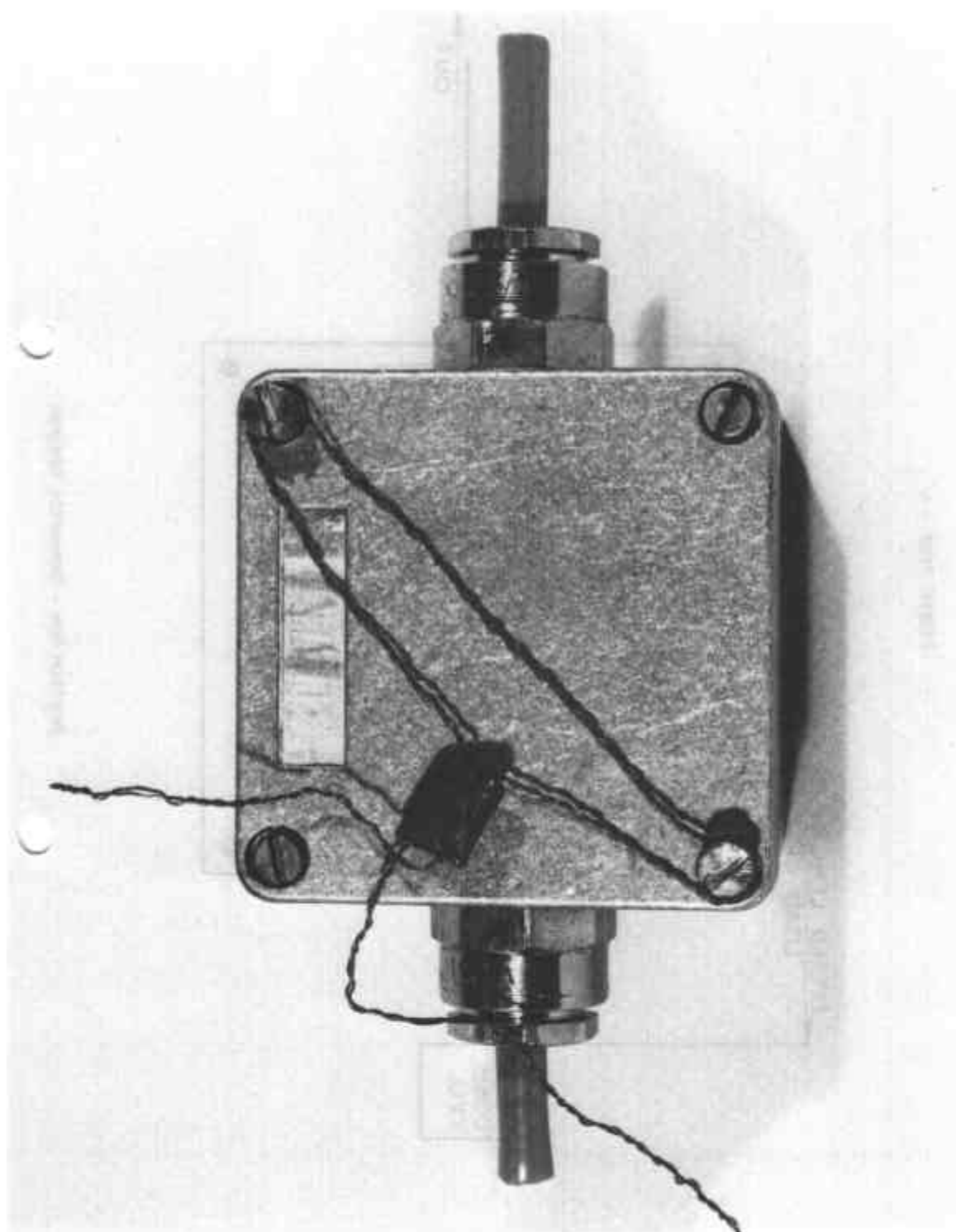
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FIGURE S122 - 2



(Mounting of 8791 Load Cell - Schematic Diag .)

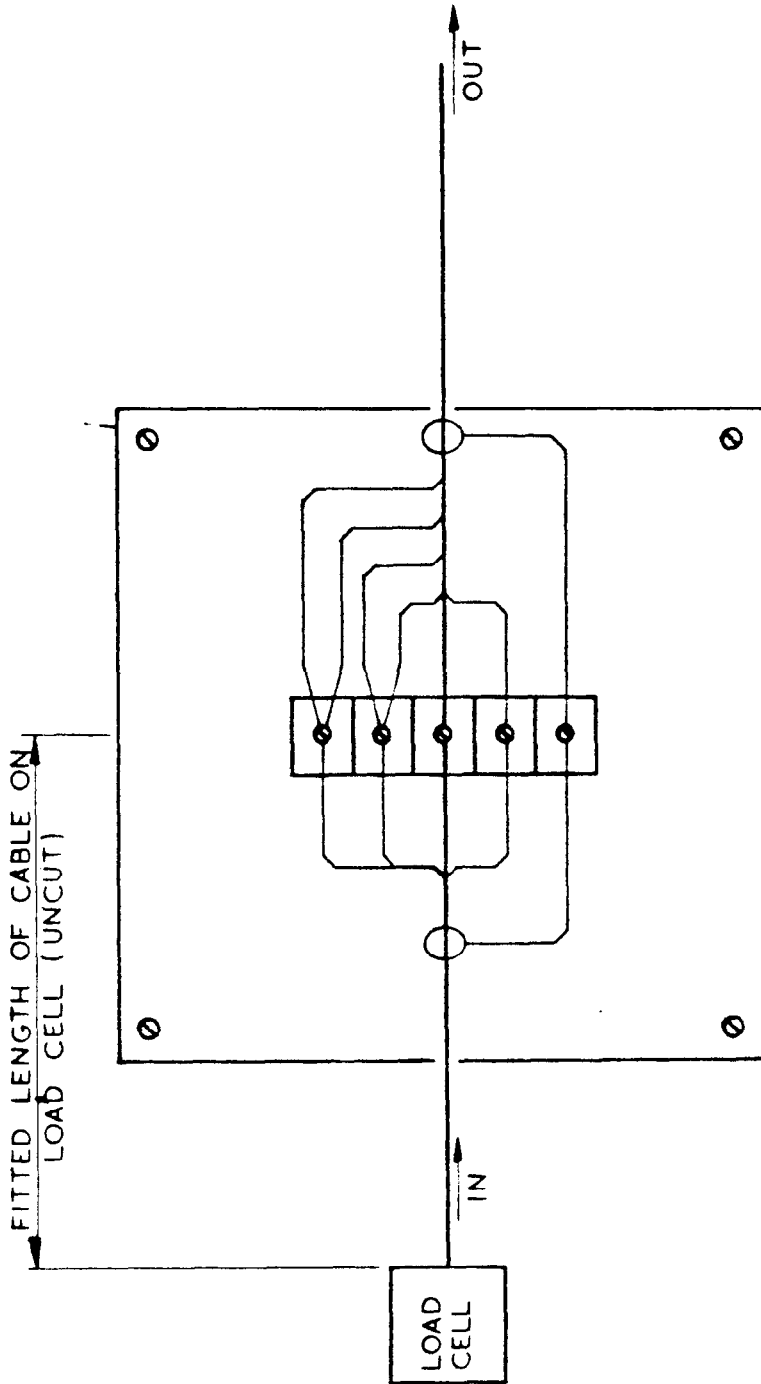
FIGURE S122 - 3



Junction Box

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FIGURE S122 - 4



Junction Box - Schematic Diagram