



S183
5/8/85

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31-12-90

NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S183

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

Yamato Model USB4-1T-C2 Load Cell

submitted by Yamato Scale Australia Pty Ltd

on behalf of Yamato Scale Co Pty Ltd
5/22 Chaembo-cho
Akashi 673 JAPAN

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

CONDITIONS OF APPROVAL

General:

Instruments incorporating a load cell purporting to comply with this approval shall be marked NSC No S183 in addition to the approval number of the instrument.

This approval is subject to review on or after 1/10/89.

This approval may be withdrawn if load cells are constructed and used other than as described in the drawings and specifications lodged with the Commission.

Special:

The number of scale intervals applicable to any weighing instrument in which these load cells are used shall be no greater than the number of verification scale intervals approved for the basework, or the load cells, or the headwork, whichever is the smallest.

The load cells shall be subject to regular certification by the Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 26/9/84

. Yamato model USB4-1T-C2 load cell of 1000 kg capacity.

...../2

Variant: approved 26/9/84

1. Of 2000 kg capacity and known as a model USB4-2T-C2.

Technical Schedule No S183 describes the pattern and variant 1.

Filing Advice

The documentation for this approval comprises:

Supplementary Certificate of Approval No S183 dated 5/8/85
Technical Schedule No S183 dated 5/8/85
Figures 1 and 2 dated 5/8/85



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S183

Pattern: Yamato Model USB4-1T-C2 Load Cell

Submitter: Yamato Scale Australia Pty Ltd
16 Gertrude Street
Arncliffe NSW 2205

1. Description of Pattern

The pattern is a Yamato model USB4-1T-C2 load cell of 1000 kg capacity (Figure 1 and Table 1) assembled in a Commission-approved basework.

1.1 Method of Mounting

Mounting is to be in accordance with one of the methods shown in Figure 2.

1.2 Marking

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

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

NSC No S183

2. Description of Variant 1

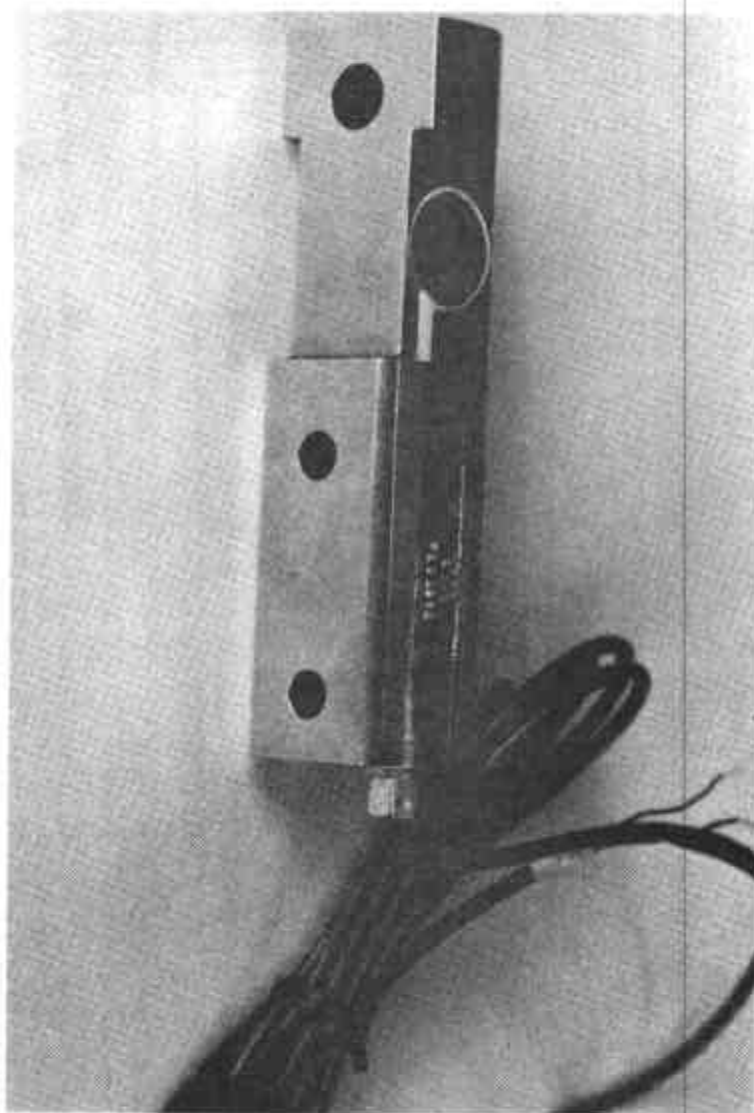
Model USB4-2T-C2 load cell of 2000 kg capacity as described in Table 1.

TABLE 1

Type: Yamato	USB4-1T-C2	USB4-2T-C2
Maximum capacity	1000 kg	2000 kg
Maximum number of verification scale intervals	1000	1000
Minimum value of verification scale interval	0.5 kg	1 kg
Input impedance (nominal)	390 ohms	390 ohms
Output rating (nominal)	1.9 mV/V	1.9 mV/V
Supply voltage (AC or DC)	10 to 15 V	10 to 15 V
Cable length (\pm 0.1 m)	5 m	5 m
Number of leads	4 *	4*
* plus shield		

Yamato USB4 Load Cells - Approved Capacities

FIGURE S183 - 1



Typical US84 Load Cell

FIGURE S183 - 2

