



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

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S165

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

Yamato Model US3-200-C2 Load Cell Of 200 kg Capacity

submitted by Yamato Scale (Australia) Pty Ltd
16 Gertrude Street
ARNCLIFFE NSW 2205

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

The approval is subject to review on or after 1/2/89.

Instruments incorporating a load cell purporting to comply with this approval shall be marked NSC No S165 in addition to the approval number of the instrument.

The approval may be withdrawn if load cells are used other than as described in the drawings and specifications lodged with the Commission.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

H. Kelly
Executive Director

Descriptive Advice

Pattern: approved 24/1/84

- . Yamato model US3-200-C2 load cell of 200 kg capacity.

Variants: approved 24/1/84

1. Of 300 kg capacity and known as model US3-300-C2.
2. Of 500 kg capacity and known as model US3-500-C2.
3. Of 1 t capacity and known as model US3-1T-C2.
4. Of 2 t capacity and known as model US3-2T-C2.

Technical Schedule No S165 dated 27/2/84 describes the pattern and variants.

Filing Advice

The documentation for this approval comprises:

Supplementary Certificate of Approval No S165 dated 27/2/84
Technical Schedule No S165 dated 27/2/84
Table 1 dated 27/2/84
Figure 1 dated 27/2/84.



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S165

Pattern: Yamato US3-200-C2 Load Cell Of 200 kg Capacity.

Submitter: Yamato Scale (Australia) Pty Ltd
16 Gertrude Street
ARNCLIFFE NSW 2205.

1. Description of Pattern

The pattern is a Yamato model US3-200-C2 load cell of 200 kg capacity (refer Figure 1 and Table 1).

1.1 Method of Mounting

Mounting is to be in accordance with the method shown in Figure 1.

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 S165

2. Description of Variants (refer Table 1)

2.1 Variant 1

Model US3-300-C2 of 300 kg capacity.

2.2 Variant 2

Model US3-500-C2 of 500 kg capacity.

2.3 Variant 3

Model US3-IT-C2 of 1 t capacity.

2.4 Variant 4

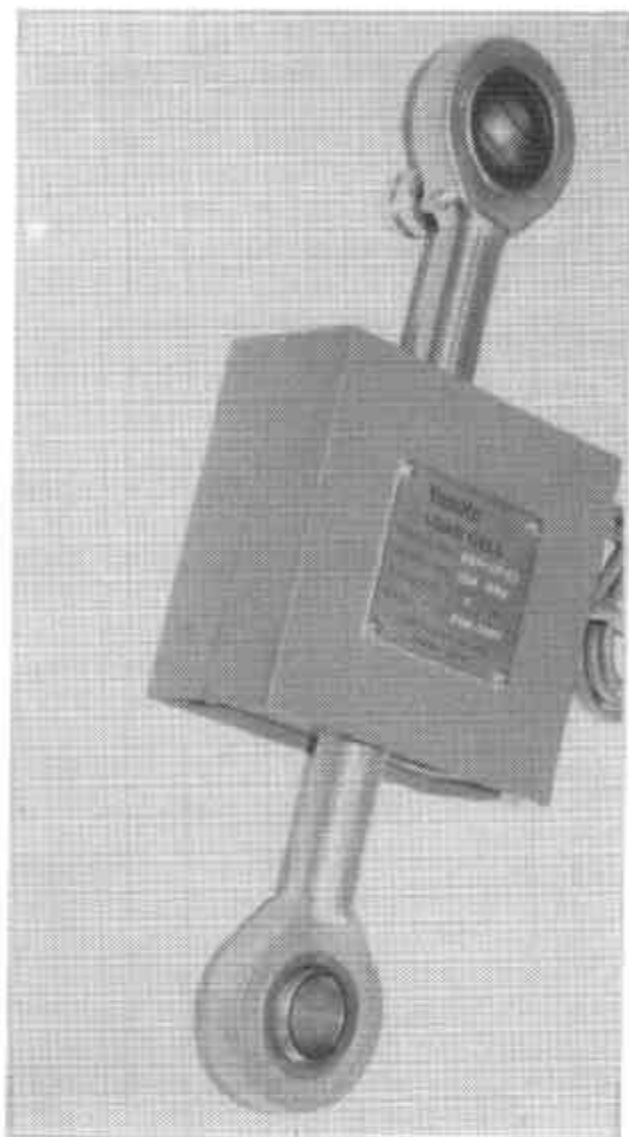
Model US3-2T-C2 of 2 t capacity.

TABLE 1

Type: Yamato	US3-200-C2	US3-300-C2	US3-500-C2	US3-1T-C2	US3-2T-C2
Maximum capacity	200 kg	300 kg	500 kg	1000 kg	2000 kg
Maximum number of verification scale intervals	2000	2000	3000	3000	3000
Minimum dead load	10 kg	15 kg	25 kg	50 kg	100 kg
Minimum value of verification scale interval	0.05 kg	0.1 kg	0.1 kg	0.1 kg	0.2 kg
Input impedance (nominal)	410 Ω	410 Ω	410 Ω	410 Ω	410 Ω
Output rating (nominal)	2 mV/V	2 mV/V	2 mV/V	2 mV/V	2 mV/V
Supply voltage (AC or DC)	10 or 15 V	10 or 15 V	10 or 15 V	10 or 15 V	10 or 15 V
Cable length (\pm 0.1 m)	2 m	2 m	2 m	2 m	2 m
Number of leads	4*	4*	4*	4*	4*
*Plus shield					

Yamato US3 Series Load Cells - Approved Capacities

FIGURE S165 - 1



US3 - C2 Series Load Cell