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31-12-90

S182
27/9/85

NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S182

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

Yamato Model UH6-250L-U Load Cell

submitted by Yamato Scale (Australia) Pty Ltd

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

are suitable for use for trade in any Commission-approved weighing instrument.

Conditions of Approval

This approval is subject to review on or after 1/9/89.

Instruments incorporating a load cell purporting to comply with this approval shall be marked NSC No S182 in addition to the approval number of the pattern to which it is connected.

This approval may be withdrawn if instruments are constructed and used other than as described in the drawings and specifications lodged with the Commission.

The number of scale intervals applicable to the weighing instrument in which this load cell is used shall be no greater than the number of verification scale intervals approved for the basework, or the load cell(s) or the indicator whichever is the smallest.

Signed

Executive Director

Descriptive Advice

Pattern: approved 16/8/84

. Yamato model UH6-250L-U load cell of 250 kg capacity.

Variant: approved 16/8/84

1. In other capacities as listed in Table 1.

Technical Schedule No S182 describes the pattern and variant.

Filing Advice

The documentation for this approval comprises:

Supplementary Certificate of Approval No S182 dated 27/9/85
Technical Schedule No S182 (including Table 1) dated 27/9/85
Figures 1 and 2 dated 27/9/85



NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S182

Pattern: Yamato Model UH6-250L-U Load Cell

Submitter: Yamato Scale (Australia) Pty Ltd

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

1. Description of Pattern

The pattern is a Yamato model UH6-250L-U load cell of 250 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 the method shown 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	
NSC approval number	S182
Maximum capacity	

2. Description of Variant

In other capacities as listed in Table 1.

TABLE 1

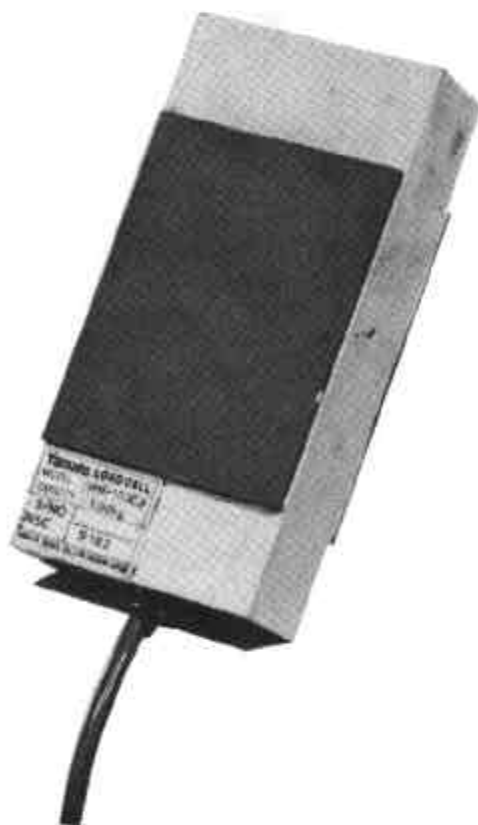
Type: Yamato	UH6-250L-U	UH6-100-C3	UH6-50-C3
Maximum capacity	250 kg	100 kg	50 kg
Maximum number of verification scale intervals	(a) 2000 (b) 750	3000 3000	3000 1500
Minimum dead load	12.5 kg	5 kg	2.5 kg
Minimum value of verification scale interval	(a) 0.05 kg (b) 0.2 kg	0.02 kg 0.02 kg	0.01 kg 0.02 kg
Input impedance (nominal)	406 Ω	406 Ω	406 Ω
Output rating (nominal)	2.0 mV/V	2.0 mV/V	2.0 mV/V
Supply voltage (AC or DC)	10 V	10 V	10 V
Cable length (+/- 0.01 m)	0.2 m	0.2 m	0.2 m
Number of leads	4*	4*	4*

Load Cells - Approved Specifications

Note: The values listed as (a) and (b) represent respectively the approved values when using digital indicators, with and without automatic zero tracking.

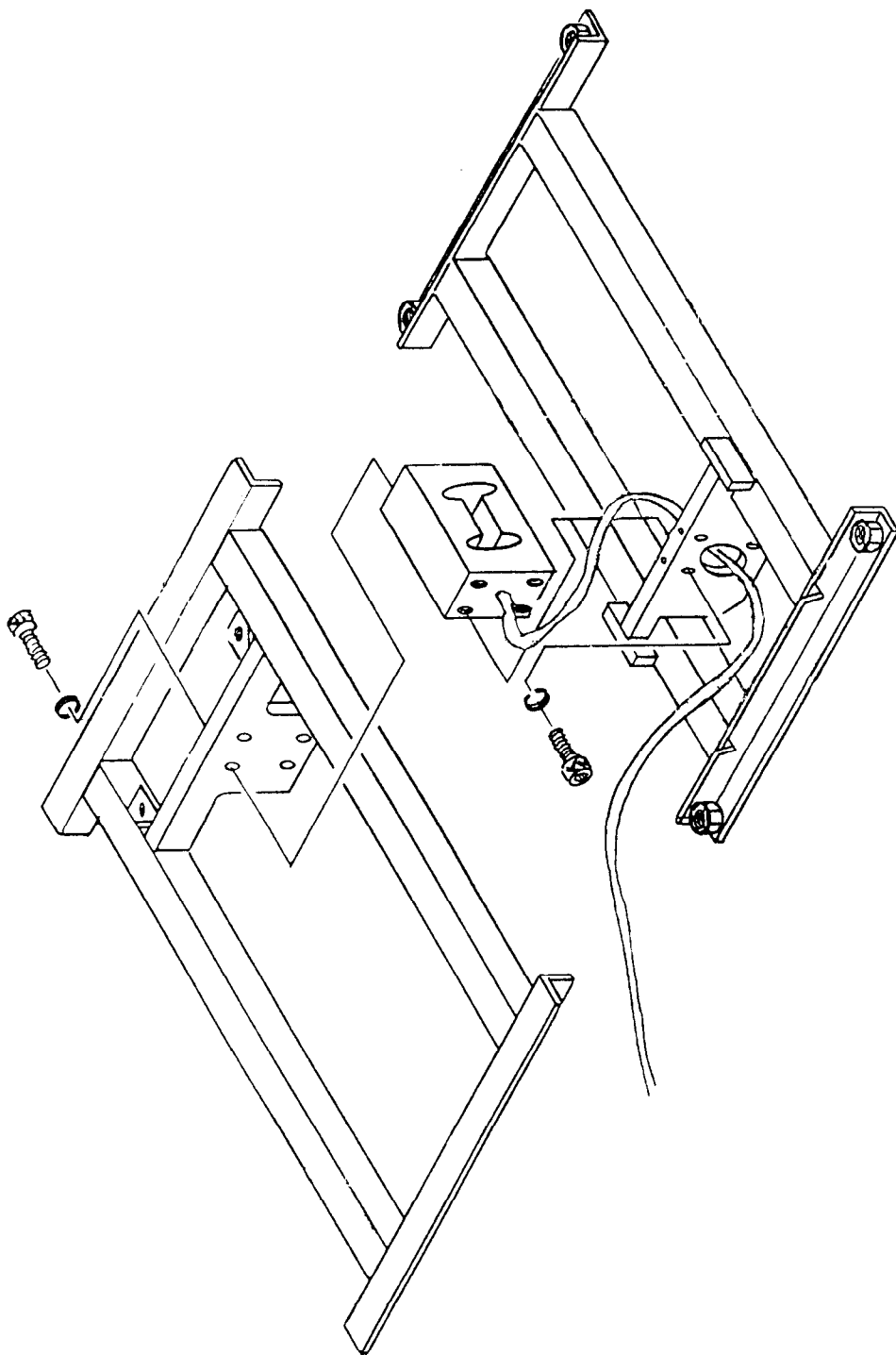
* plus shield

FIGURE S182 - 1



Typical UH6 Load Cell

FIGURE S182 - 2



Load Cell Mounting Method