NATIONAL STANDARDS COMMISSION

WEIGHTS AND MEASURES (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S155

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

Kelba Model KA-250 Load Cell of 250 kg Capacity

submitted by Kelba (Australia) Pty Ltd
PO Box 777
Chatswood, New South Wales, 2067,

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

The approval is subject to review on or after 1/7/88.

Instruments incorporating a load cell purporting to comply with this approval shall be marked NSC No S155 in addition to the approval number of the instrument.

Relevant drawings and specifications are 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 National Standards Commission.

Signed

Executive Director

Descriptive Advice

Pattern: approved 2/6/83

. Kelba model KA-250 load cell of 250 kg capacity.

Technical Schedule No S155 dated 27/6/83 describes the pattern.

Filing Advice

The documentation for this approval comprises:

Certificate of Approval No S155 dated 27/6/83
Technical Schedule No S155 dated 27/6/83
Figures 1 to 3 dated 27/6/83.

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NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S155

Pattern: Kelba Model KA-250 Load Cell Of 250 kg Capacity

Submittor: Kelba (Australia) Pty Ltd
PO Box 777
Chatswood, New South Wales, 2067.

1. Description of Pattern

The pattern is a Kelba model KA-250 load cell of 250 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 Figures 2 and 3.

1.2 Marking

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

Manufacturer's name or mark	
Model number	KA-250
Serial number	...
Maximum rated capacity	250 kg
Output rating (nominal)	2.2 mV/V

TABLE 1

Type	KA-250
Maximum capacity	250 kg
Maximum number of verification scale intervals	1000
Minimum dead load	10 kg
Minimum value of verification scale interval	0.1 kg
Cable length ($\pm$ 0.1 m)	2 m
Input impedance (nominal)	350 Ω
Supply voltage	10-15 V DC or AC
No. of leads	4

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TECHNICAL SCHEDULE No S155

VARIATION No 1

Pattern: Kelba Model KA-250 Load Cell

Submittor: Kelba (Australia) Limited
PO Box 777
Chatswood NSW 2067

1. Description of Variant 1

Kelba model KA-1000 load cell of 1000 kg capacity (refer Table 1).

Note: This table replaces Table 1 in Technical Schedule No S155 dated 27/6/83.

TABLE 1

Type: Kelba		KA-250		KA-1000
Maximum capacity		250 kg		1000 kg
Maximum number of	(a)	1000	(a)	1000
verification	(b)	1000	(b)	1000
scale intervals (*)	(c)	1000	(c)	1000
	(d)	1000	(d)	1000
Minimum value of	(a)	0.075 kg	(a)	0.3 kg
verification	(b)	0.1 kg	(b)	0.5 kg
scale interval (*)	(c)	0.075 kg	(c)	0.3 kg
	(d)	0.1 kg	(d)	0.5 kg
Output rating (nominal)		2.2 mV/V		2.2 mV/V
Input impedance (nominal)		350 ohms		350 ohms
Supply voltage (AC or DC)		10-15 V		10-15 V
Cable length		Various length to suit the application; note that the cable supplied should not be altered.		
Number of leads (plus shield)		4		4

* (a) Instruments with automatic zero track - multi cell applications
(b) Instruments with automatic zero track - single cell applications
(c) Instruments without automatic zero track - multi cell applications
(d) Instruments without automatic zero track - single cell applications

NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S155

CHANGE No 1

The following change is made to the approval documentation for the

Kelba Model KA-250 Load Cell

submitted by Kelba (Australia) Limited
PO Box 777
Chatswood NSW 2067.

In Technical Schedule No S155 Variation No 1 dated 17/7/86, Table 1 is replaced by the Table attached herein, which includes amended values for the number and value of the verification scale interval for the model KA-1000 load cell (Variant 1).

Signed

Executive Director

NATIONAL STANDARDS COMMISSION

NOTIFICATION OF CHANGE

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S155

CHANGE No 2

The following change is made to the approval documentation for the

Kelba Model KA-250 Load Cell

submitted by Kelba (Australia) Limited
PO Box 777
Chatswood NSW 2067.

Table 1 dated 24/1/88 (issued by Notification of Change No 1) is replaced by the Table attached herein, which includes three versions of the model KA-1000 load cell (Variant 1).

Signed

J. Birch

Executive Director

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TECHNICAL SCHEDULE No S155

Note: This Table replaces Table 1 dated 24/1/88.

TABLE 1

Type: Kelba		KA-250	KA-1000C1	KA-1000C2	KA-1000C3
Maximum capacity	(kg)	250	1000	1000	1000
Maximum number of verification scale intervals		(a) 1000 (b) 1000	(a) 1000 (b) 1000	(a) 2000 (b) 2000	(a) 3000 (b) 3000
Minimum value of verification scale interval	(g)	(a) 0.075 (b) 0.075	(a) 0.125 (b) 0.21	(a) 0.08 (b) 0.21	(a) 0.016 (b) 0.041
Output rating (nominal)	(mV/V)	2.2	2.2	2.2	2.2
Input impedance (nominal)	(ohms)	350	350	350	350
Supply voltage (AC or DC)	(V)	10-15	10-15	10-15	10-15
Cable length (± 0.1 m)	(m)	2	3	3	3
Number of leads (plus shield)		4	4	4	4

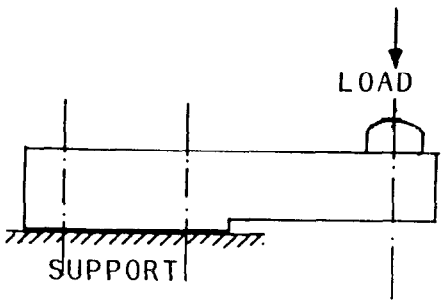
(a) Instruments with automatic zero track.

(b) Instruments without automatic zero track.

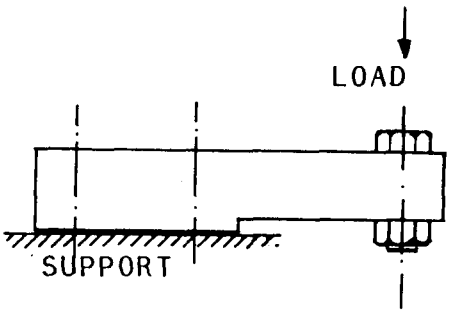
FIGURE S155 - 1

Kelba Model KA-250 Load Cell

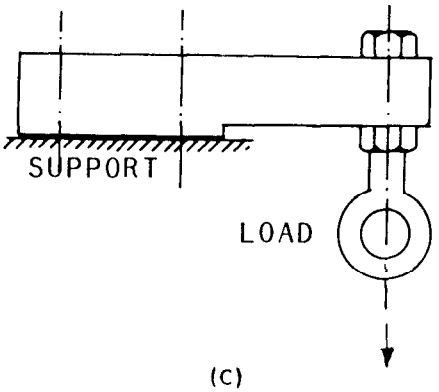
FIGURE S155 - 2



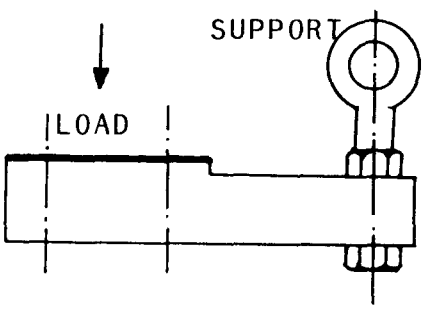
(A)



(B)



(C)



(D)

Mounting Methods (A) To (D)

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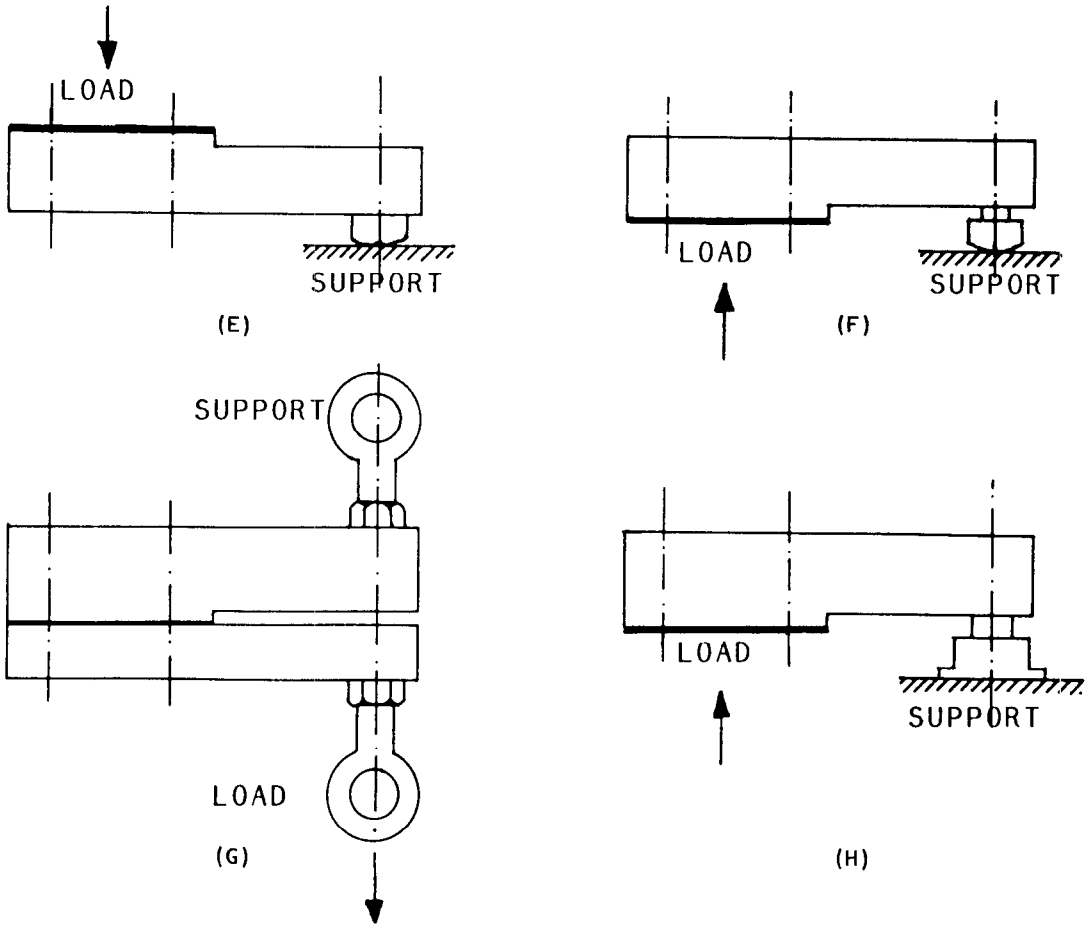
FIGURE S155 - 3



Mounting Methods (E) To (H)

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