National Standards Commission

Cancellation

Supplementary Certificate of Approval No S155A

This is to certify that the approval for use for trade granted in respect of the

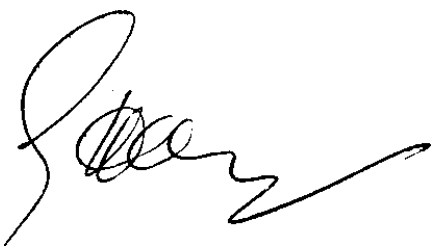
Kelba Model KA-1000-C3 Load Cell

submitted by Kelba (Australia) Limited
7 Leonard Street
Hornsby NSW 2077

has been cancelled in respect of new instruments as from 28 February 1999.

Instruments which were verified/certified before that date may, with the concurrence of the relevant verifying authority, be submitted for reverification.

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.



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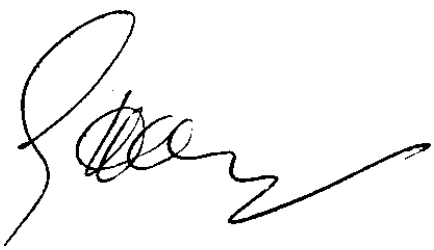

National Standards Commission

Supplementary Certificate of Approval

No S155A

Issued under Regulation 9
of the
National Measurement (Patterns of Measuring Instruments) Regulations

This is to certify that an approval for use for trade has been granted in respect of the

Kelba Model KA-1000-C3 Load Cell

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

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

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CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/3/96.
This approval expires in respect of new instruments on 1/3/97.

Instruments purporting to comply with this approval shall be marked NSC No S155A and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S155A in addition to the approval number of the instrument.

It is the submittor's responsibility to ensure that all instruments marked with this approval number are constructed as described in the documentation lodged with the Commission and with the relevant Certificate of Approval and Technical Schedule. Failure to comply with this Condition may attract penalties under Section 19B of the National Measurement Act and may result in cancellation or withdrawal of the approval, in accordance with the Commission's Document 106.

The values of the performance criteria (maximum number of scale intervals etc.) applicable to an instrument incorporating the pattern approved herein shall be within the limits specified herein and in any approval documentation for the other components.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

DESCRIPTIVE ADVICE

Pattern: approved 6/2/91

- A Kelba model KA-1000-C3 load cell of 1000 kg capacity.

Variant: approved 6/2/91

1. Model KA-1000-C1 and model KA-1000-C2 load cells of 1000 kg capacity.

Technical Schedule No S155A describes the pattern and variant 1.

Variant: approved 12/5/92

2. Model K15 load cell of 1000 kg capacity.

Technical Schedule No S155A Variation No 1 describes variant 2.

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FILING ADVICE

Supplementary Certificate of Approval No S155A dated 6/11/91 is superseded by this Certificate and may be destroyed.

The documentation for this approval now comprises:

Supplementary Certificate of Approval No S155A dated 28/7/92
Technical Schedule No S155A dated 6/11/91 (incl. Table 1)
Technical Schedule No S155A Variation No 1 dated 28/7/92 (incl. Table 2)
Figures 1 and 2 dated 6/11/91
Figures 3 and 4 dated 28/7/92

National Standards Commission

TECHNICAL SCHEDULE No S155A

Pattern: Kelba Model KA-1000-C3 Load Cell

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

1. Description of Pattern

The pattern is a Kelba model KA-1000-C3 load cell of 1000 kg capacity (refer Figure 1 and Table 1) approved for use with a maximum of 3000 verification scale intervals.

1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in Figure 2.

1.2 Markings

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

Manufacturer's name or mark
Model number
Serial number
NSC approval number — NSC No S155A
Maximum rated capacity

2. Description of Variant 1

Model KA-1000-C1 and model KA-1000-C2 load cells of 1000 kg capacity, which are approved for use with a maximum of 1000 and 2000 verification scale intervals, respectively. Refer to Table 1.

..../2

TABLE 1

Type: Kelba			KA-1000C1		KA-1000C2		KA-1000C3
Maximum capacity	(kg)		1000		1000		1000
Maximum number of verification scale intervals		(a)	1000	(a)	2000	(a)	3000
		(b)	1000	(b)	2000	(b)	3000
Minimum value of verification scale interval	(kg)	(a)	0.125	(a)	0.080	(a)	0.016
		(b)	0.210	(b)	0.210	(b)	0.041
Output rating (nominal)	(mV/V)		2.2		2.2		2.2
Input impedance (nominal)	(ohms)		350		350		350
Supply voltage (AC or DC)	(V)		10-15		10-15		10-15
Cable length (± 0.1 m)	(m)		3		3		3
Number of leads (plus shield)			4		4		4

(a) Instruments with automatic zero track.

(b) Instruments without automatic zero track.

National Standards Commission

TECHNICAL SCHEDULE No S155A

VARIATION No 1

Pattern: Kelba Model KA-1000-C3 Load Cell.

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

1. Description of Variant 2

A Kelba model K15 load cell of 1000 kg capacity (refer Figure 3 and Table 2) approved for use with a maximum of 1000 verification scale intervals.

1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in Figure 4.

TABLE 2

Type: Kelba		K15	
Maximum capacity		1000	kg
Maximum number of verification scale intervals	(a)	1000	
	(b)	1000	
Minimum value of verification scale interval	(a)	0.0064	kg
	(b)	0.0161	kg
Output rating (nominal)		1.5	mV/V
Input impedance (nominal)		350	ohms
Supply voltage (AC or DC)		8-15	V
Cable lengths (± 0.1 m)		0.5, 1.0, 1.5, 2.0, 2.5, 3.0	m
Number of leads (plus shield)		4	

(a) Instruments with automatic zero track.

(b) Instruments without automatic zero track.

National Standards Commission

Notification of Change

Supplementary Certificate of Approval No S155A

Change No 1

The following changes are made to the approval documentation for the

Kelba Model KA-1000-C3 Load Cell

submitted by Kelba (Australia) Limited
now of
7 Leonard Street
Hornsby NSW 2077.

In Supplementary Certificate of Approval No S155A dated 28 July 1992;

1. The Condition of Approval referring to the review of the approval should be amended to read:

   "This approval becomes subject to review on 1 March 1996, and then every 5 years thereafter."

2. The Condition of Approval referring to the expiry of the approval should be deleted.

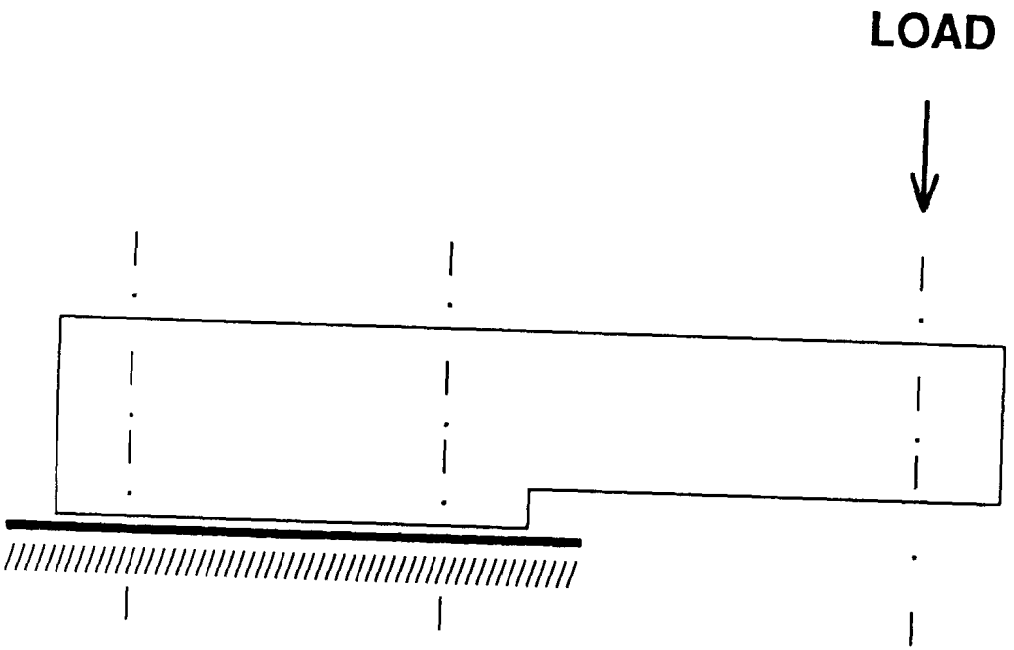
Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Measuring Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.

FIGURE S155A - 1

Kelba Model KA-1000 Load Cell

S155A
6/11/91

FIGURE S155A - 2

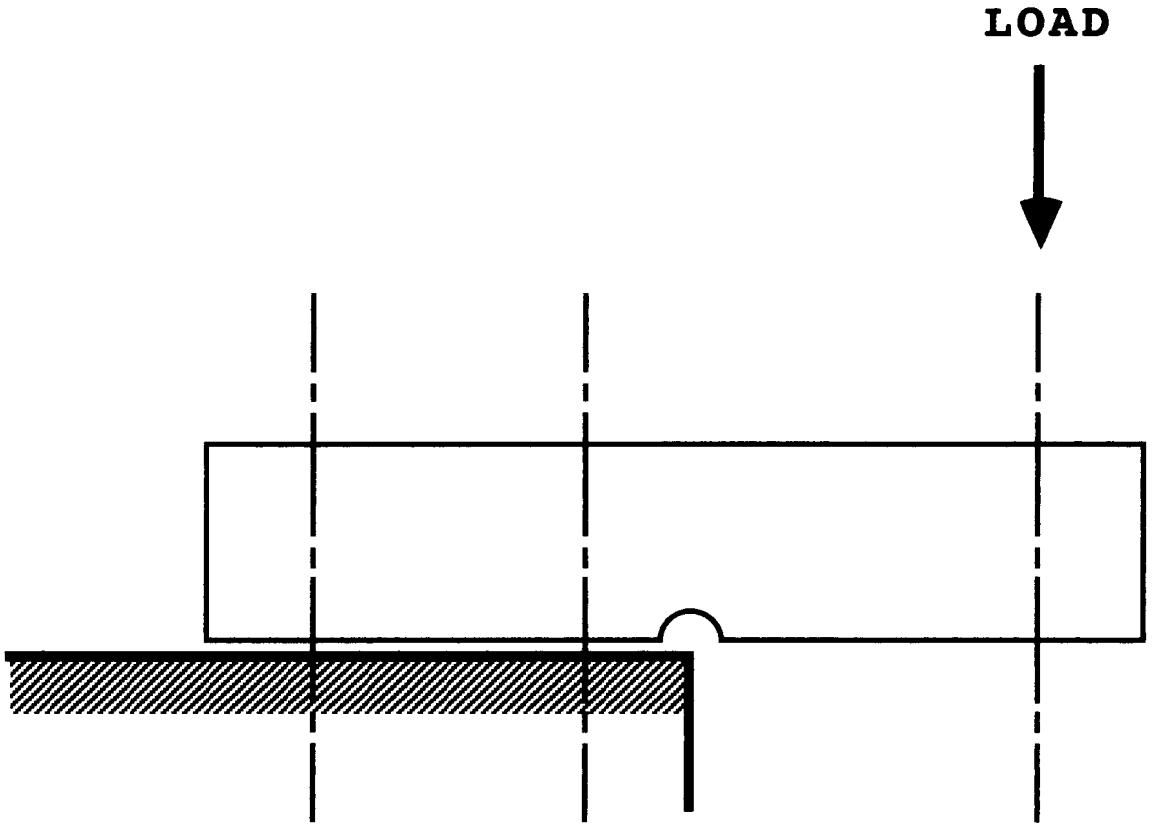


Mounting Method

FIGURE S155A - 3

Kelba Model K15 Load Cell

FIGURE S155A - 4



Mounting Method - Model K15