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31-12-90

S195
29/8/86

NATIONAL STANDARDS COMMISSION

NATIONAL MEASUREMENT (PATTERNS OF INSTRUMENTS) REGULATIONS

REGULATION 9

SUPPLEMENTARY CERTIFICATE OF APPROVAL No S195

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

Transducers Model B5352-200-10M1 Load Cell

submitted by Transducers Inc.
14030 Bolsa Lane
Cerritos California
90701 USA.

Conditions of Approval

This approval is subject to review on or after 1/7/90.

Load cells purporting to comply with this approval shall be marked NSC No S195. Instruments incorporating a load cell purporting to comply with this approval shall be marked NSC No S195 in addition to the approval number of the instrument.

This approval may be withdrawn if load cells are constructed and used other than in accordance with the drawings and specifications lodged with the Commission.

The number of scale intervals applicable to the instrument 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.

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

Signed

J. Birch

Executive Director

Descriptive Advice

Pattern: approved 21/6/85

. Transducer model B5352-200-10M1 load cell of 200 kg capacity.

Variant: approved 21/6/85

1. With various length cable.

Technical Schedule No S195 describes the pattern and variant 1.

...../2

Variant: approved 27/5/86

2. Of 1000 kg capacity.

Variant: approved 2/7/86

3. Of 500 kg capacity.

Technical Schedule No S195 Variation No 1 describes variants 2 and 3.

Filing Advice

Supplementary Certificate of Approval No S195 dated 1/11/85 is superseded by this Certificate and may be destroyed. Table 1 dated 1/11/85 is replaced by the Table included herein.

Note: Paragraph 1.1 Method of Mounting in Technical Schedule No S195 dated 1/11/85, should be amended to read, in part: ".... the methods shown in Figures 2 to 5".

The documentation for this approval now comprises:

Supplementary Certificate of Approval No S195 dated 29/8/86
Technical Schedule No S195 dated 1/11/85
Technical Schedule No S195 Variation No 1 dated 29/8/86 (including Table 1)
Figures 1 to 3 dated 1/11/85
Figures 4 and 5 dated 29/8/86

NATIONAL STANDARDS COMMISSION

TECHNICAL SCHEDULE No S195

Pattern: Transducers Model B5352-200-10M1 Load Cell

Submittor: Transducers Inc.
14030 Bolsa Lane
Cerritos California
90701 USA

1. Description of Pattern

The pattern is a Transducers model B5352-200-10M1 load cell of 200 kg capacity (refer Figure 1 and Table 1).

1.1 Method of Mounting

Mounting is to be in accordance with one of the methods shown in Figures 2 and 3. The method shown in Figure 3 is for use in a Commission-approved overhead-track weighing instrument.

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 — NSC No S195
Maximum rated capacity

2. Description of Variant 1

With various length cable as designated by the model number viz. B5352-200-**M1 where ** multiplied by 0.3 is the cable length in metres.

TABLE 1

Type: Transducers	B5352-200-10M1
Maximum capacity	200 kg
Maximum number of verification scale intervals	(a) 6000
	(b) 6000
	(c) 3000
	(d) 3000
Minimum value of verification scale interval	(a) 0.01 kg
	(b) 0.01 kg
	(c) 0.05 kg
	(d) 0.05 kg
Output rating (nominal)	2.0 mV/V
Input impedance (nominal)	350 ohms
Supply voltage (AC or DC)	10-15 V
Cable length (± 0.1 m)	(refer Variant 1)
Number of leads	5 (including shield)

(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

TECHNICAL SCHEDULE No S195

VARIATION No 1

Pattern: Transducers Model B5352-200-10M1 Load Cell

Submittor: Transducers Inc.
14030 Bolsa Lane
Cerritos California
90701 USA

1. Description of Variants

1.1 Variant 2

A Transducers model B5352-1000-10M1 load cell of 1000 kg capacity (refer Table 1).

1.2 Variant 3

A Transducers model B5352-500-10M1 load cell of 500 kg capacity (refer Table 1).

.../2

TABLE 1

Note: This Table replaces Table 1 included in Technical Schedule No S195 dated 1/11/85.

Type: Transducers		B5352-200-10M1		B5352-1000-10M1		B5352-500-10M1
Maximum capacity		200 kg		1000 kg		500 kg
Maximum number of verification scale intervals	(a)	6000	(a)	5500	(a)	5000
	(b)	6000	(b)	5500	(b)	5000
	(c)	3000	(c)	5000	(c)	5000
	(d)	3000	(d)	4000	(d)	4000
Minimum value of verification scale interval	(a)	0.01 kg	(a)	0.06 kg	(a)	0.03 kg
	(b)	0.01 kg	(b)	0.10 kg	(b)	0.05 kg
	(c)	0.05 kg	(c)	0.15 kg	(c)	0.06 kg
	(d)	0.05 kg	(d)	0.20 kg	(d)	0.10 kg
Output rating (nominal)		2.0 mV/V		2.0 mV/V		2.0 mV/V
Input impedance (nominal		350 ohms		350 ohms		350 ohms
Supply voltage (AC or DC)		10-15 V		10-15 V		10-15 V
Cable length (+ 0.1 m)		(refer Variant 1)		(refer Variant 1)		(refer Variant 1)
Number of leads (including shield)		5		5		5

(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 S195

CHANGE No 1

The following change is made to the approval documentation for the

Transducers Model B5352-200-10M1 Load Cell

submitted by Transducers Inc.
14030 Bolsa Lane
Cerritos California
90701 USA.

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

In Supplementary Certificate No S195 dated 29/8/86, the following Condition of Approval should be added:

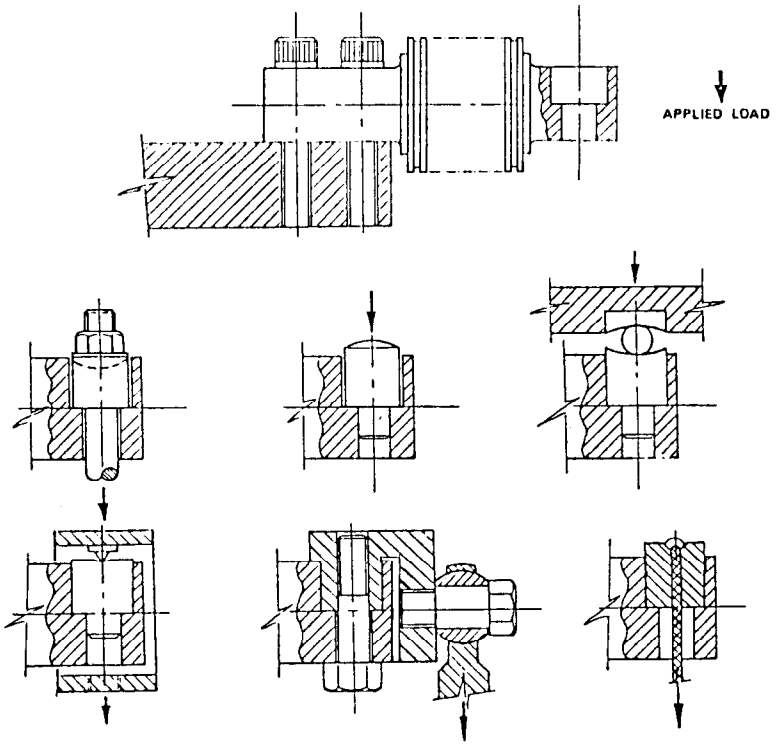
"This approval expires in respect of new instruments on 1/7/91."

NOTE: This approval was incorrectly cancelled as part of Cancellation Certificate No 0/3 dated 31/12/90.

FIGURE S195 - 1

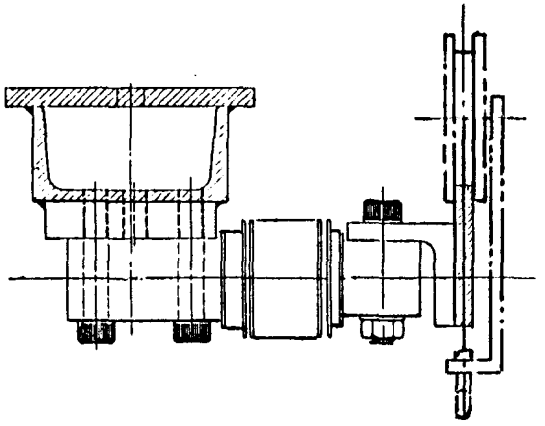
Typical 85352 Load Cell

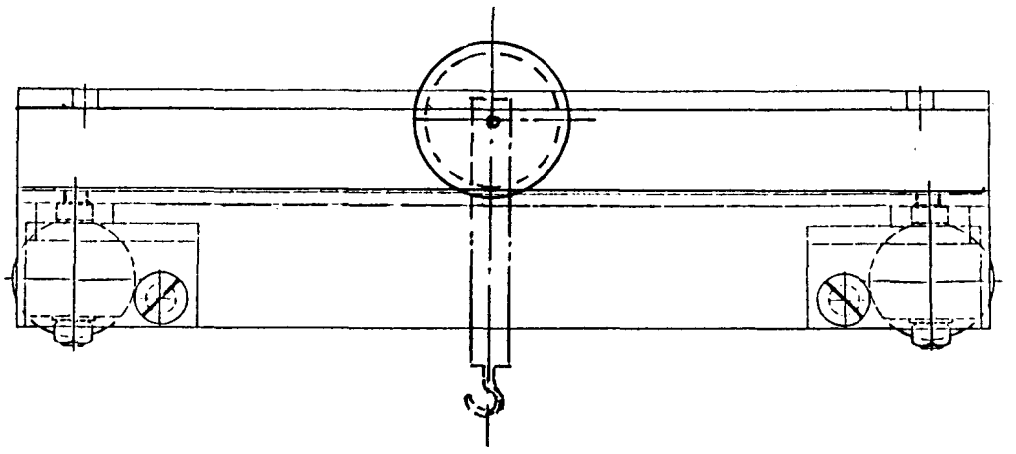
FIGURE S195 - 2



Mounting Methods

FIGURE S195 - 3





Alternative Mounting Method

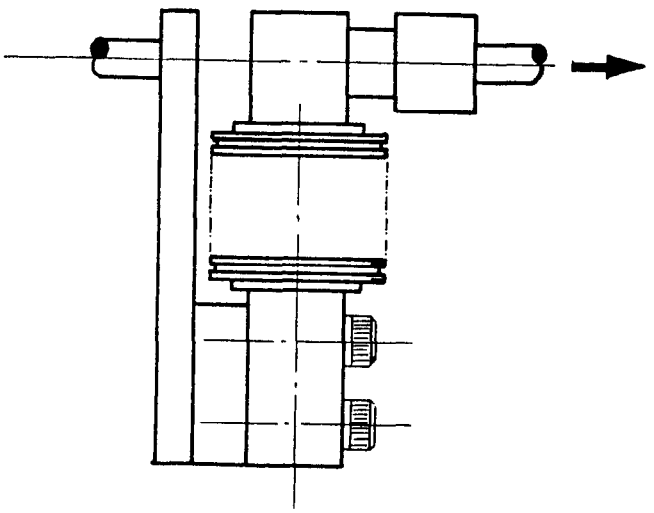
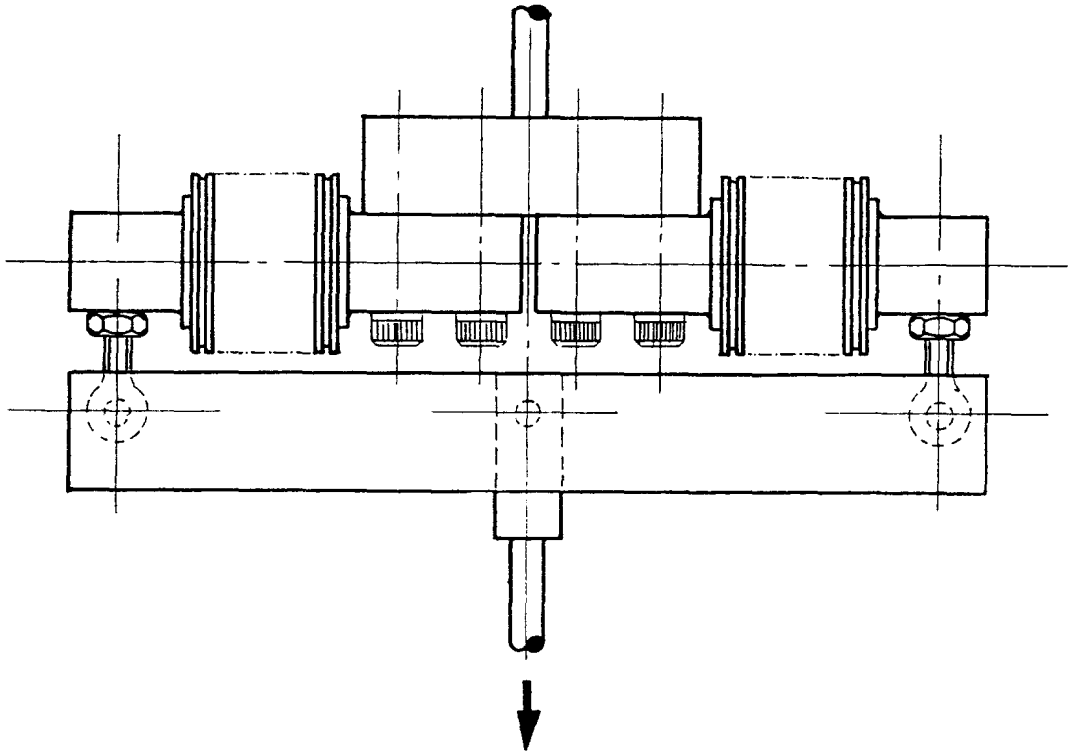


FIGURE S195-4

Alternative Mounting Method

FIGURE S195-5



Alternative Mounting Method