National Standards Commission

Supplementary Certificate of Approval

No S310

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

HBM Model C3H2 Load Cell

submitted by Bruel & Kjaer Australia Pty Ltd
24 Tepko Road
Terrey Hills NSW 2084.

NOTE: This Certificate relates to the suitability of the pattern of the instrument for use for trade only in respect of its metrological characteristics. This Certificate does not constitute or imply any guarantee of compliance by the manufacturer or any other person with any requirements regarding safety.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1 July 1999.
This approval expires in respect of new instruments on 1 July 2000.

Instruments purporting to comply with this approval shall be marked NSC No S310 and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S310 in addition to the approval number of the instrument.

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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 18 June 1994

- An HBM model C3H2 load cell of 30 000 kg capacity approved for use with a maximum of 2000 verification scale intervals.

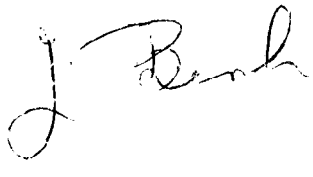
Technical Schedule No S310 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S310 dated 16 September 1994
Technical Schedule No S310 dated 16 September 1994 (incl. Table 1)
Figures 1 to 3 dated 16 September 1994

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.



National Standards Commission

TECHNICAL SCHEDULE No S310

Pattern: HBM Model C3H2 Load Cell.

Submittor: Bruel & Kjaer Australia Pty Ltd
24 Tepko Road
Terrey Hills NSW 2084.

1. Description of Pattern

A HBM model C3H2 load cell of 30 000 kg capacity (refer Figure 1 and Table 1) approved for use with a maximum of 2000 verification scale intervals.

1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in Figures 2 and 3.

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 S310
Maximum rated capacity

TABLE 1

Type: HBM C3H2

Maximum capacity	30 000 kg
Maximum number of verification scale intervals	2000
Minimum value of verification scale interval	5 kg
Minimum dead load output return for multi-range instruments (DR)	2.5 kg
Output rating (nominal)	2 mV/V
Input impedance (nominal)	350 ohms
Supply voltage (AC or DC)	0.5 to 12 V
Cable length (± 0.1 m)	12 m
Number of leads (plus shield)	6

19 June 1995

National Standards Commission

NOTIFICATION OF CHANGE

VARIOUS CERTIFICATES OF APPROVAL

The following change is made to the approval documentation for various approvals as listed below.

In the Certificates and Technical Schedules of the approvals listed below, all references to the submittor are changed to read:

Hottinger Baldwin Messtechnik GmbH
Im Tiefen See 45
D-64293 Darmstadt
Germany

APPROVAL NUMBER	PATTERN (#)
PS134	HBM Model Z6H3 Load Cell of 200 kg Capacity
S135	HBM Model Z6H2 Load Cell of 500 kg Capacity
S136	HBM Model C3H2 Load Cell of 50 t Capacity
S137	HBM Model Z3H2 Load Cell of 1000 kg Capacity
S282	HBM Model C3H2 Load Cell of 100 000 kg Capacity
S310	HBM Model C3H2 Load Cell of 30 000 kg Capacity

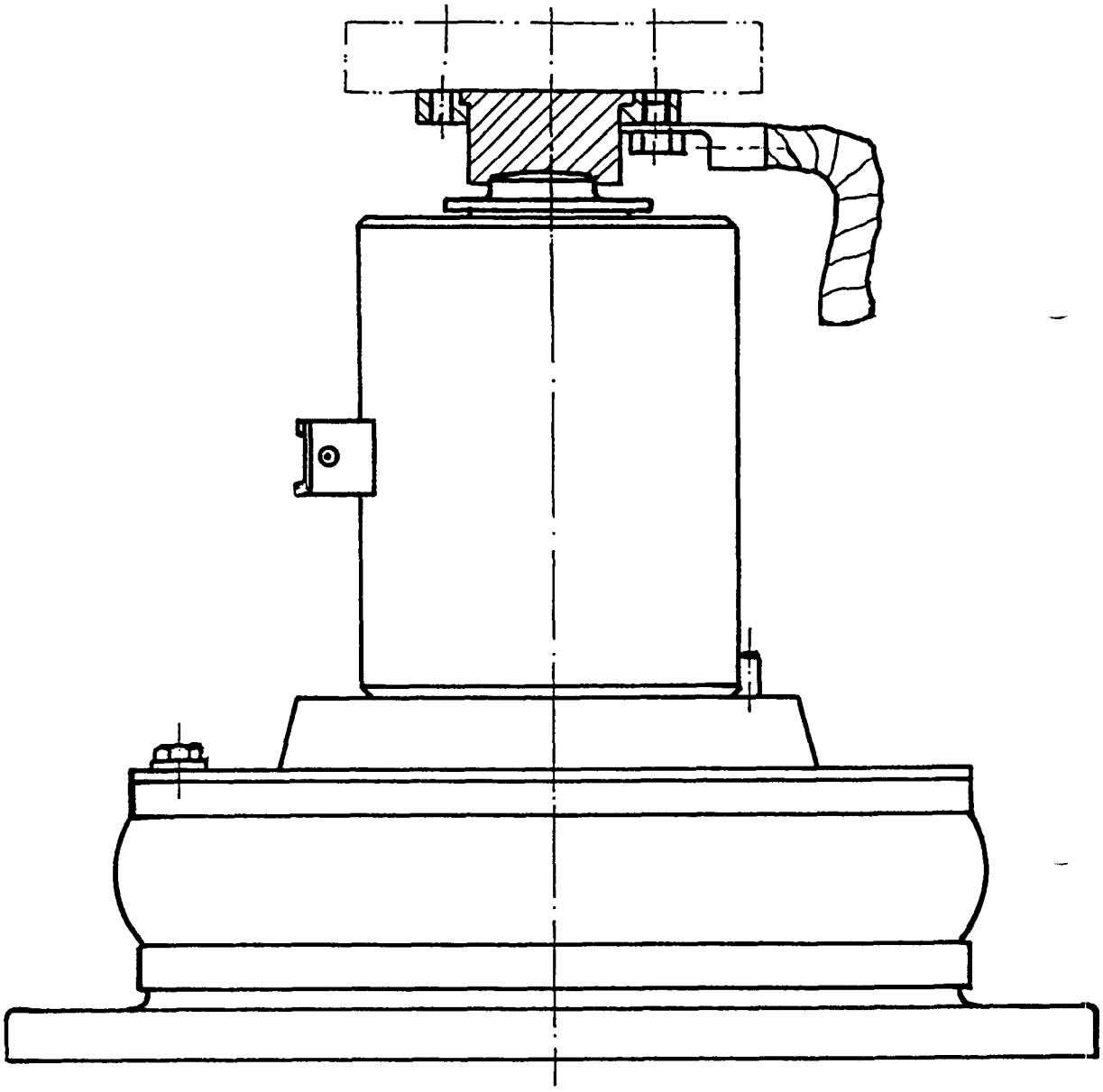
(#) Some approvals have other capacities as variants.

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 S310 - 1

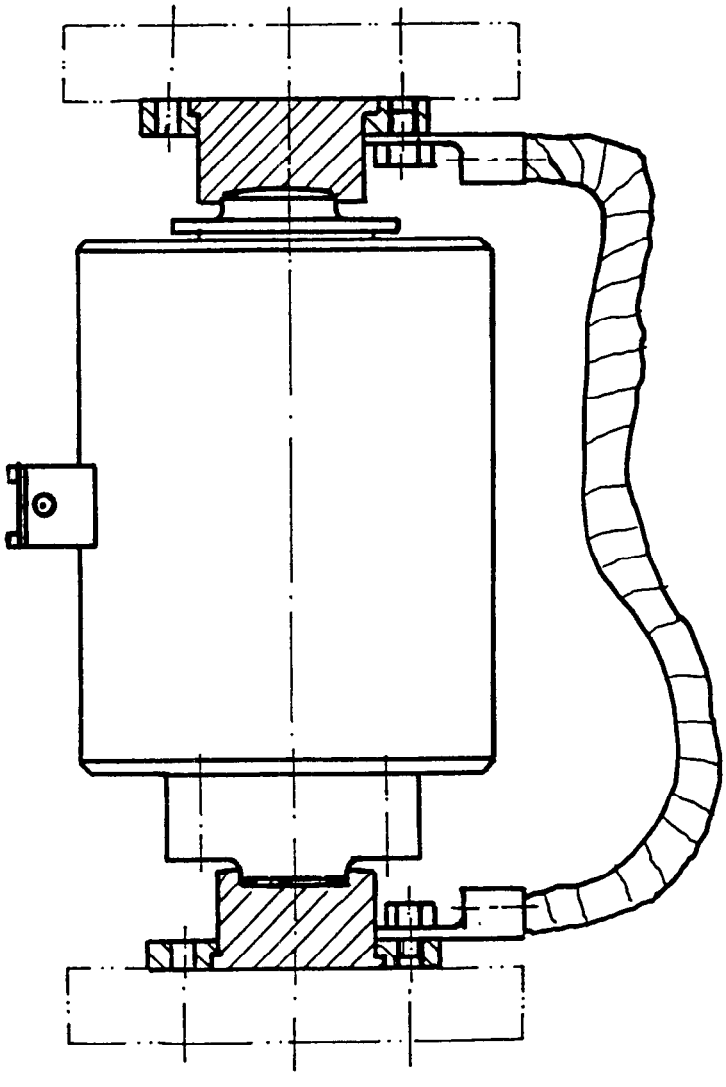
HBM Model C3H2 Load Cell

FIGURE S310 - 2



A Typical Mounting Method

FIGURE S310 - 3



An Alternative Mounting Method