

National Standards Commission



Supplementary Certificate of Approval

No S315

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 C15AC3/50t Load Cell

submitted by Hottinger Baldwin Messtechnik GmbH
Im Tiefen See 45
64293 Darmstadt
GERMANY

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 January 2000.
This approval expires in respect of new instruments on 1 January 2001.

Instruments purporting to comply with this approval shall be marked NSC No S315 and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S315 in addition to the approval number of the instrument.

It is the submitter'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 7 December 1994

- An HBM model C15AC3/50t load cell of 50 000 kg capacity approved for use with a maximum of 3000 verification scale intervals.

Variant: approved 7 december 1994

1. A model C15AC3/50t load cell of 50 000 kg capacity approved for use with a maximum of 1500 verification scale intervals.

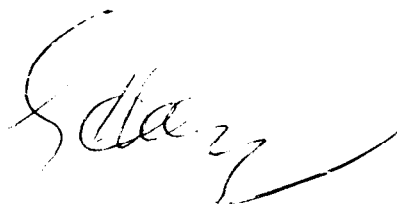
Technical Schedule No S315 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S315 dated 10 March 1995
Technical Schedule No S315 dated 10 March 1995 (incl. Table 1)
Figure 1 dated 10 March 1995

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.

A handwritten signature in black ink, appearing to read 'S. Lee', is written over a horizontal line.



National Standards Commission

TECHNICAL SCHEDULE No S315

Pattern: HBM Model C15AC3/50t Load Cell.

Submitter: Hottinger Baldwin Messtechnik GmbH
Im Tiefen See 45
64293 Darmstadt
GERMANY

1. Description of Pattern

An HBM model C15AC3/50t load cell of 50 000 kg capacity (refer Figure 1 and Table 1) approved for use with a maximum of 3000 verification scale intervals when used with a minimum dead load of 2500 kg.

The pattern is fitted with a plug connector; alternatively, the cell may be fitted with a fixed cable, in which case the model number becomes C15BC3/50t.

1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in Figure 1.

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
Maximum rated capacity

NSC No S315

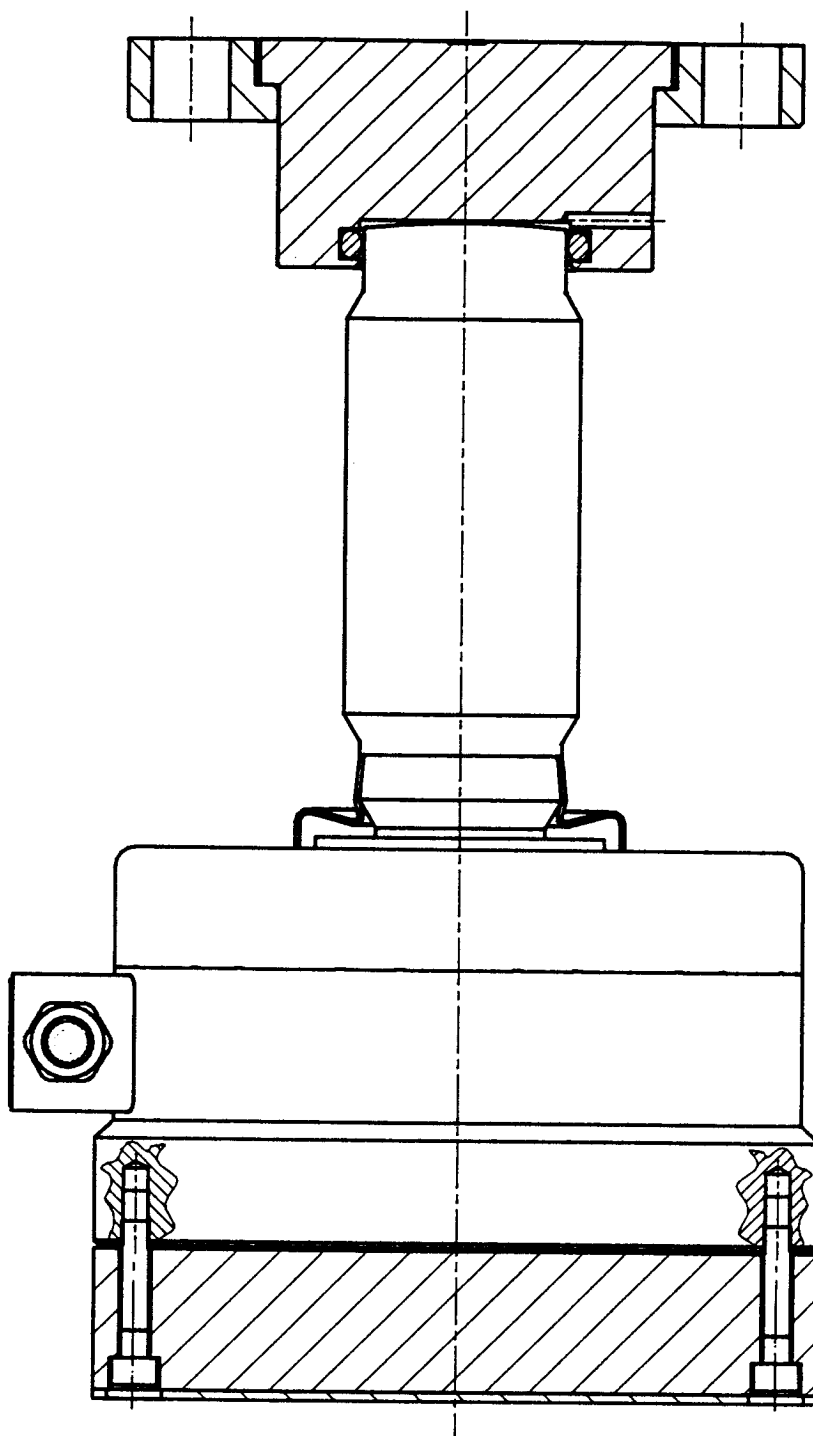
2. Description of Variant 1

The pattern approved for use with a maximum of 1500 verification scale intervals when used with an unspecified minimum dead load (refer Table 1).

TABLE 1

Type: HBM	C15AC3/50t	C15BC3/50t
Maximum capacity	50 000 kg	50 000 kg
Maximum number of verification scale intervals	3000	1500
Minimum dead load	2500 kg	n/a
Minimum value of verification scale interval	5 kg	5 kg
Minimum dead load output return for multi-range instruments (DR)	2.75 kg	2.75 kg
Output rating (nominal)	2 mV/V	2 mV/V
Input impedance (nominal)	350 ohms	350 ohms
Supply voltage (AC or DC)	0.5 to 12 V	0.5 to 12 V
Cable length (± 0.1 m)	12 m	12 m
Number of leads (plus shield)	6	6

FIGURE S315 - 1



HBM Model C15AC3/50t Load Cell