

National Standards Commission



Supplementary Certificate of Approval

No S325

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 C16AC3/30t 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 November 2000.
This approval expires in respect of new instruments on 1 November 2001.

Instruments purporting to comply with this approval shall be marked NSC No S325 and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked NSC No S325 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 25 October 1995

- An HBM model C16AC3/30t load cell of 30 000 kg capacity approved for use with a maximum of 3000 verification scale intervals.

Technical Schedule No S325 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S325 dated 15 May 1996
Technical Schedule No S325 dated 15 May 1996 (incl. Table 1)
Figures 1 and 2 dated 15 May 1996

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 S325

Pattern: HBM Model C16AC3/30t Load Cell.

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

1. Description of Pattern

An HBM model C16AC3/30t (*) load cell of 30 000 kg capacity (refer Figure 1 and Table 1) approved for use with a maximum of 3000 verification scale intervals.

(*) - Note that the model number may be in the form 'C16#C3/30t' where # may be any alpha character.

1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in Figures 1 and 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 S325
Maximum rated capacity	

TABLE 1

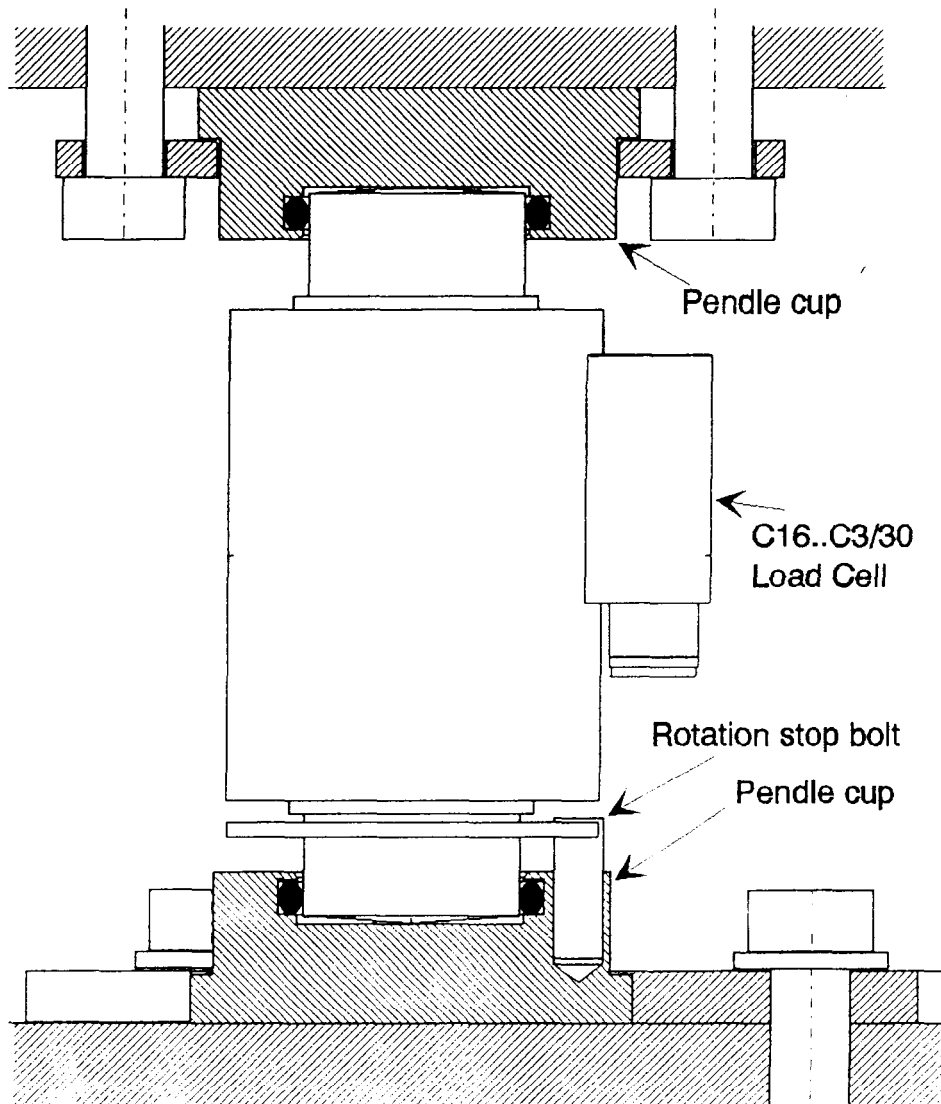
Type: HBM	C16#C3/30t
Maximum capacity	30 000 kg
Maximum number of verification scale intervals	3000
Minimum value of verification scale interval	3 kg
Minimum dead load output return for multi-range instruments (DR)	3.34 kg
Output rating (nominal)	2 mV/V
Input impedance (nominal)	700 ohms
Supply voltage (AC or DC)	0.5 to 12 V
Cable length (± 0.1 m)	12 m
Number of leads (plus shield)	6

FIGURE S325 - 1



HBM Model C16AC3/30t Load Cell

FIGURE S325 - 2



Typical Mounting Method