



Australian Government
Department of Industry,
Innovation and Science

National Measurement Institute

Supplementary Certificate of Approval NMI S385

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

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

Revere Model BSP Load Cell

submitted by Thermo Gamma-Metrics Pty Ltd
 T/A Thermo Fisher Scientific
 18 Butler Blvd
 Burbridge Business Park SA 5950

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.

This approval has been granted with reference to document NMI R 60, *Metrological Regulation for Load Cells*, dated July 2004.

This approval becomes subject to review on **1/04/21**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – interim certificate issued	2/03/01
1	Pattern & variant 1 – certificate issued	15/05/01
2	Pattern & variant 1 reviewed & amended – notification of change issued	13/09/06
3	Pattern & variant 1 reviewed & updated – certificate issued	24/11/11
4	Pattern & variant 1 reviewed – certificate issued	29/04/16

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S385' and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI S385' in addition to the approval number of the instrument.

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.

Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.

A handwritten signature in black ink, appearing to read 'Dr A Rawlinson', with a horizontal line underneath.

Dr A Rawlinson

TECHNICAL SCHEDULE No S385

1. Description of Pattern **approved on 2/03/01**

A Revere model BSP load cell of 250 kg maximum capacity (Figure 1 and Table 1) approved for use with up to 3000 verification intervals.

May also be known as Vishay Revere load cells of the same model.

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

Each load cell is marked with the following:

Manufacturer's mark, or name written in full	Revere Transducers (#)
Model number
Maximum capacity, E_{max} kg (or t)
Serial number
Pattern approval mark	NMI (or NSC) S385

(#) May alternatively be marked as 'Vishay Revere', 'Revere Transducers Europe', or similar.

1.3 Table of Specifications

Specifications for the pattern are given in Table 1.

2. Description of Variant 1 **approved on 2/03/01**

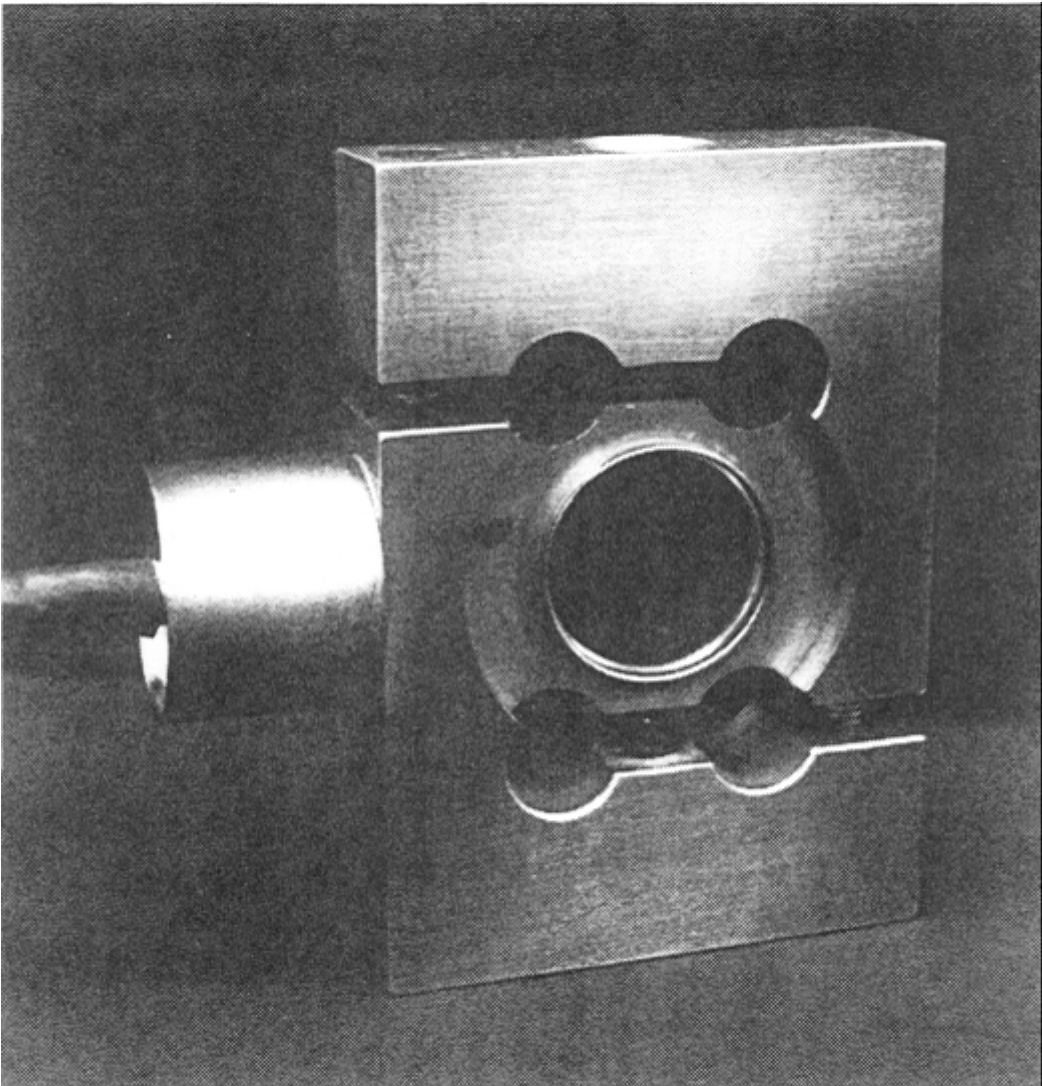
Certain other capacities as listed in Table 1.

TABLE 1 – Specifications

Type: Revere (aka Vishay Revere) model BSP

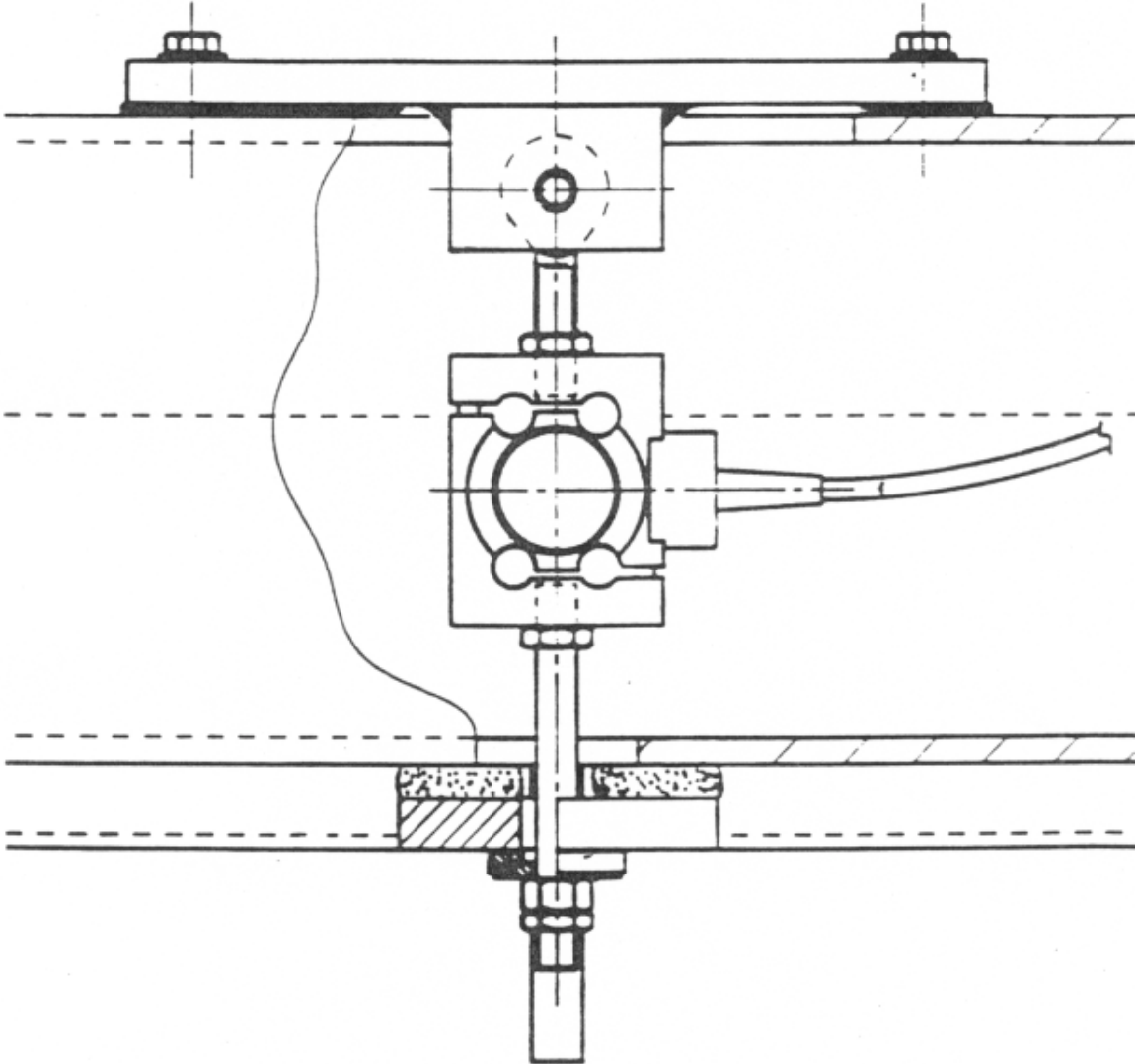
Maximum capacity, E_{max}	kg	250	500	1250
Classification		C3	C3	C3
Maximum number of verification intervals		3000	3000	3000
Minimum value of verification interval, V_{min}	kg	0.035	0.07	0.175
Minimum dead load output return value (DR)	kg	0.025	0.05	0.125
Output rating (nominal)	mV/V	3	3	3
Input impedance (nominal)	Ω	350	350	350
Supply voltage (AC or DC)	V	10 - 15	10 - 15	10 - 15
Cable length (± 0.1 m)	m	10	10	10
Number of leads (plus shield)		4	4	4

FIGURE S385 – 1



Revere (aka Vishay Revere) Model BSP Load Cell

FIGURE S385 – 2



Mounting Method

~ End of Document ~