



Australian Government

National Measurement
Institute

Bradfield Road, West Lindfield NSW 2070

Notification of Change

Supplementary Certificate of Approval No S461

Change No 1

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

The following changes are made to the approval documentation for the
Revere Model SHBxR Load Cell

submitted by Scale Components Pty Ltd
 now of 4 Dan Street
 Slacks Creek QLD 4127.

- A. In Supplementary Certificate of Approval No S461 dated 25 October 2005;
1. The Condition of Approval referring to the review of the approval should be amended to read:
- “This approval becomes subject to review on 1 October **2015**, and then every 5 years thereafter.”
2. The FILING ADVICE should be amended by adding the following:
- “Notification of Change No 1 dated 21 January 2010”
- B. In Supplementary Certificate of Approval No S461 and its Technical Schedule both dated 25 October 2005, all references to the address of the submitter should be amended to read:
- “4 Dan Street
 Slacks Creek QLD 4127.”

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

A handwritten signature in black ink, consisting of stylized cursive letters, likely representing the Chief Metrologist or an authorised signatory.



Australian Government
**National Measurement
Institute**

12 Lyonpark Road, North Ryde NSW 2113

Supplementary Certificate of Approval
No S461

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

Revere Model SHBxR Load Cell

submitted by Scale Components Pty Ltd
288 Musgrave Street
Coopers Plains QLD 4108.

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 becomes subject to review on 1 October 2010, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI S461' and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI S461' in addition to the approval number of the instrument.

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 National Measurement Institute (NMI) 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 document NMI P 106.

The National Measurement Institute reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

DESCRIPTIVE ADVICE

Pattern: approved 29 September 2005

- A Revere model SHBxR load cell of 50 kg maximum capacity.

Variant: approved 29 September 2005

1. Certain other versions and capacities as listed in Table 1.

Technical Schedule No S461 describes the pattern and variant 1.

FILING ADVICE


The documentation for this approval comprises:

Certificate of Approval No S461 dated 25 October 2005
Technical Schedule No S461 dated 25 October 2005 (incl. Table 1)
Figures 1 to 3 dated 25 October 2005



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

TECHNICAL SCHEDULE No S461

Pattern: Revere Model SHBxR Load Cell
Submittor: Scale Components Pty Ltd
288 Musgrave Street
Coopers Plains QLD 4108

1. Description of Pattern

A Revere model SHBxR load cell of 50 kg maximum capacity (Figure 1 and Table 1) approved for use with up to 4000 verification 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

Each load cell is marked with the following:

Manufacturer’s mark, or name written in full	Revere , Netherlands
Model number	SHBxR
Class (classification)	C... (#)
Serial number
Pattern approval mark	S461
Maximum capacity E_{max} kg
(#) Either C3 or C4, as appropriate – refer to Table 1.	

1.3 Table of Specifications

Specifications for the pattern are given in Table 1.

2. Description of Variant 1

Certain other versions (classifications C3 or C4) and capacities as listed in Table 1.

TABLE 1

Type: Revere SHBxR classification C3 (#) as listed below:

Maximum number of verification intervals		3000	3000	3000
Maximum capacity, E_{max}	kg	50	100	200
Minimum value of verification interval, V_{min}	kg	0.0033	0.0066	0.013
Minimum dead load output return value (DR)	kg	0.00835	0.0167	0.033

Type: Revere SHBxR classification C4 (#) as listed below:

Maximum number of verification intervals		4000	4000	4000
Maximum capacity, E_{max}	kg	50	100	200
Minimum value of verification interval, V_{min}	kg	0.0033	0.0066	0.013
Minimum dead load output return value (DR)	kg	0.00625	0.0125	0.025

Characteristics common to all SHBxR series load cells:

Accuracy class		C
Output rating (nominal)	mV/V	2
Input impedance (nominal)	ohm	460
Supply voltage (AC or DC) Max.	V	5 – 12
Cable length (± 0.1 m)	m	3 m
Number of leads (plus shield)		4

(#) Load cells are marked 'Class C3' or 'Class C4', as appropriate – refer to clause **1.2 Markings**.

FIGURE S461 – 1



Revere Model SHBxR Load Cell

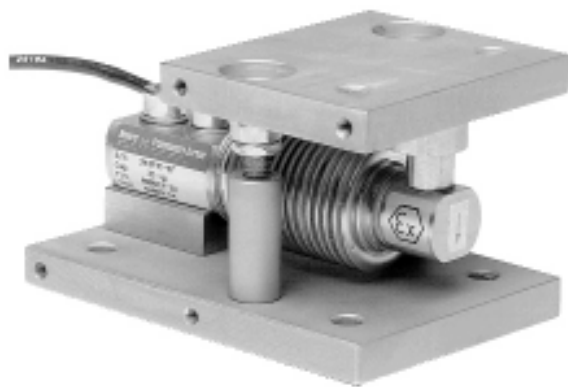
FIGURE S461 – 2



HEIGHT-ADJUSTABLE SWIVEL FOOT



RUBBER FOOT



SELF-ALIGNING MOUNT



SELF-ALIGNING MOUNT
WITH STAYROD

Some Approved Mounting Methods

FIGURE S461 – 3

