



Australian Government

Department of Industry,  
Science and Resources

**National  
Measurement  
Institute**

36 Bradfield Road, West Lindfield NSW 2070

**Supplementary Certificate of Approval  
NMI S546**

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 9363-250kg-C3 Load Cell

submitted by      S.R.O. TECHNOLOGY PTY. LIMITED  
(Formerly Thermo Gamma-Metrics Pty Ltd)  
Unit 7, 210 Robinson Road E  
Geebung      QLD    4034

**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 is subject to review at the decision of the Chief Metrologist in accordance with the conditions specified in the document NMI P 106.

**DOCUMENT HISTORY**

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – certificate issued	6/04/11
1	Pattern & variant 1 amended (additional capacity) & updated – certificate issued	21/02/14
2	Pattern & variant 1 reviewed – variant 1 amended (additional capacity) – certificate issued	24/03/16
3	Submittor changed and review date removed - certificate issued	10/12/25

## CONDITIONS OF APPROVAL

### General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI S546' and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI S546' 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*.



**Darryl Hines**

Manager  
Policy and Regulatory Services

TECHNICAL SCHEDULE No S546

**1. Description of Pattern**

**approved on 6/04/11**

A Revere model 9363-250kg-C3 S-type load cell of 250 kg maximum capacity (Figure 1 and Table 1).

**1.1 Method of Mounting**

The load cell may be used in tension. Mounting is to be in accordance with the manufacturer's instructions and as shown in Figure 1b.

**1.2 Markings**

Each load cell is marked with the following:

Manufacturer's mark, or name written in full	Vishay/Revere Transducers
Model number	.....
Maximum capacity, $E_{max}$	..... kg (or t)
Serial number	.....
Pattern approval mark	NMI S546

**1.3 Table of Specifications**

Specifications for the pattern are given in Table 1.

**2. Description of Variant 1**

**approved on 6/04/11  
amended on 24/03/16**

Revere 9363 series load cells of other models and with characteristics as listed in Table 1.

TABLE 1

Type: Revere Transducers 9363-#-C3 series as listed below, where # in the model number represents the capacity ( $E_{max}$ ) in the form shown below, e.g. the **pattern** model 9363-250kg-C3 is of 250 kg maximum capacity.

Model Number	#=100kg	<b>#=250kg</b>	#=500kg	#=1000kg	#=2500kg	#=5000kg
$E_{max}$ (kg)	100	250	500	1000	2500	5000
Class	C	C	C	C	C	C
nLC	3000	3000	3000	3000	3000	3000
$V_{min}$ (kg)	0.011	0.028	0.056	0.111	0.277	0.550
DR (kg)	0.017	0.042	0.083	0.167	0.417	0.833
mV/V	3					
Input imp ( $\Omega$ )	390					
Voltage (V)	15					
Cable length (m)	6					
Number of leads (plus shield)	4					

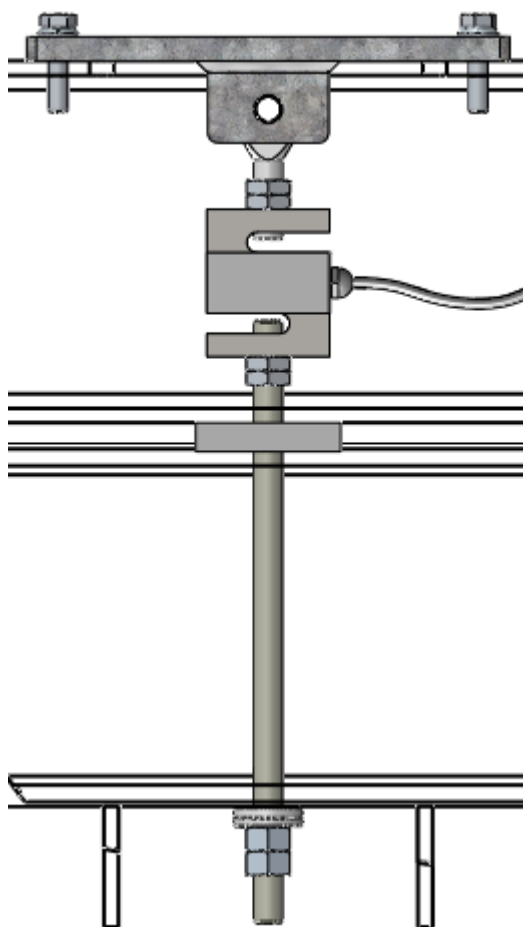
Where:

$E_{max}$	=	Maximum capacity
nLC	=	Maximum number of verification intervals
$V_{min}$	=	Minimum value of verification interval
DR	=	Minimum dead load output return value
mV/V	=	Output rating (nominal)
Input imp.	=	Input impedance (nominal)
Voltage	=	Maximum supply voltage (DC)

FIGURE S546 – 1



(a) Revere Transducers Model 9363 S-type Load Cell



(b) Typical Tension Mounting Arrangement

~ End of Document ~