



Bradfield Road, West Lindfield NSW 2070

Supplementary Certificate of Approval

No S536

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

A & D Australasia Model ADALC1-T1 Load Cell

submitted by A & D Australasia Pty Ltd
 32 Dew Street
 Thebarton SA 5031.

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.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 July 2015, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI S536' and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI S536' 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 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.

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.

DESCRIPTIVE ADVICE

Pattern: approved 15 June 2010

- An A & D Australasia model ADALC1-T1 load cell of 1000 kg maximum capacity.

Variant: approved 15 June 2010

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

Technical Schedule No S536 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Supplementary Certificate of Approval No S536 dated 16 June 2010
Technical Schedule No S536 dated 16 June 2010 (incl. Table 1)
Figures 1 and 2 dated 16 June 2010

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 S536

Pattern: A & D Australasia Model ADALC1-T1 Load Cell

Submittor: A & D Australasia Pty Ltd
32 Dew Street
Thebarton SA 5031

1. Description of Pattern

An A & D Australasia model ADALC1-T1 load cell of 1000 kg maximum capacity (Figure 1a) and Table 1).

1.1 Method of Mounting

Mounting is to be in accordance with the manufacturer's instructions and as shown in Figure 1b or Figure 2.

The load cells are supplied with a packing plate which shall be used for mounting the load cell.

1.2 Markings

Each load cell is marked with the following:

Manufacturer's mark, or name written in full	A & D Australasia
Model number
Maximum capacity kg (or t)
Serial number
Pattern approval mark	NMI S536

1.3 Table of Specifications

Specifications for the pattern are given in Table 1.

2. Description of Variant 1

Certain other models and with characteristics as listed in Table 1.

TABLE 1

Type: A & D Australasia ADALC1-# series as listed below, where # in the model number represents the capacity (*E_{max}*) in the form shown below, e.g. the pattern model ADALC1-T1 is of 1 t (1000 kg) capacity.

Model number	#=K500	#=T1 (*)	#=T1K500	#=T2
<i>E_{max}</i> (kg)	500	1000	1500	2000
Class	C3	C3	C3	C3
nLC	3000	3000	3000	3000
<i>V_{min}</i> (kg)	0.05	0.15	0.218	0.29
DR (kg)	0.05	0.11	0.218	0.29
mV/V	3	3	3	3
Input imp. ohms	350	350	350	350
Supply voltage (V)	15	15	15	15
Cable length (m)	4	4	4	4
Number of leads (plus shield)	4	4	4	4

(*) The pattern, model ADALC1-T1

Model number	#=T2K500	#=T3	#=T5	#=T10
<i>E_{max}</i> (kg)	2500	3000	5000	10000
Class	C3	C3	C3	C3
nLC	3000	3000	3000	3000
<i>V_{min}</i> (kg)	0.363	0.435	1.22	2.44
DR (kg)	0.363	0.435	1.22	2.44
mV/V	3	3	3	3
Input imp. ohms	350	350	350	350
Supply voltage (V)	15	15	15	15
Cable length (m)	4	4	4	4
Number of leads (plus shield)	4	4	4	4

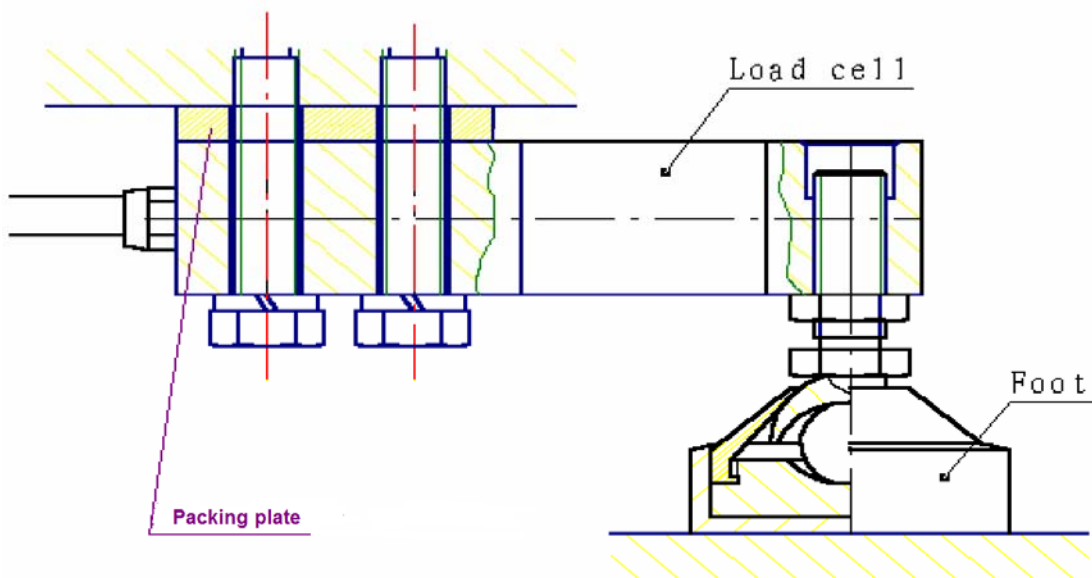
Where:

<i>E_{max}</i>	=	Maximum capacity
nLC	=	Maximum number of verification intervals
<i>V_{min}</i>	=	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 S536 – 1



(a) A & D Australasia Model ADALC1-T1 Load Cell



(b) ADALC1-# Series – Typical Mounting Arrangement

FIGURE S536 – 2

