Australian Government
Department of Industry, Innovation and Science

National Measurement Institute

Supplementary Certificate of Approval

NMI S410

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.

A & D Model LCC11T010-K 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.

This approval becomes subject to review on **1/10/19**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – interim certificate issued	9/09/02
1	Pattern & variant 1 approved – certificate issued	21/10/02
2	Pattern & variant 1 reviewed– notification of change issued	20/12/07
3	Pattern & variant 1 reviewed & updated – certificate issued	24/04/14
4	Pattern & variant 1 amended (Table 1) – certificate issued	6/04/16

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI (or NSC) S410' and only by persons authorised by the submittor.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI (or NSC) S410' in addition to the approval number of the instrument, and only by persons authorised by the submittor.

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.

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

Dr Amanda Rawlinson

TECHNICAL SCHEDULE No S410

1. Description of Pattern — approved on 9/09/02

An A & D model LCC11T010-K load cell of 10 000 kg maximum capacity (Figure 1 and Table 1) approved for use with up to 3000 verification intervals. May also be known as 'A & D Australasia' 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	A & D Company, Japan
Model number	LCC11T010-K
Serial number	.....
Pattern approval mark	NMI (or NSC) No S410
Maximum capacity	E_{max} ..... kg

1.3 Table of Specifications

Specifications for the pattern are given in Table 1.

2. Description of Variant 1 — approved on 9/09/02

In other capacities as listed in Table 1.

TABLE 1

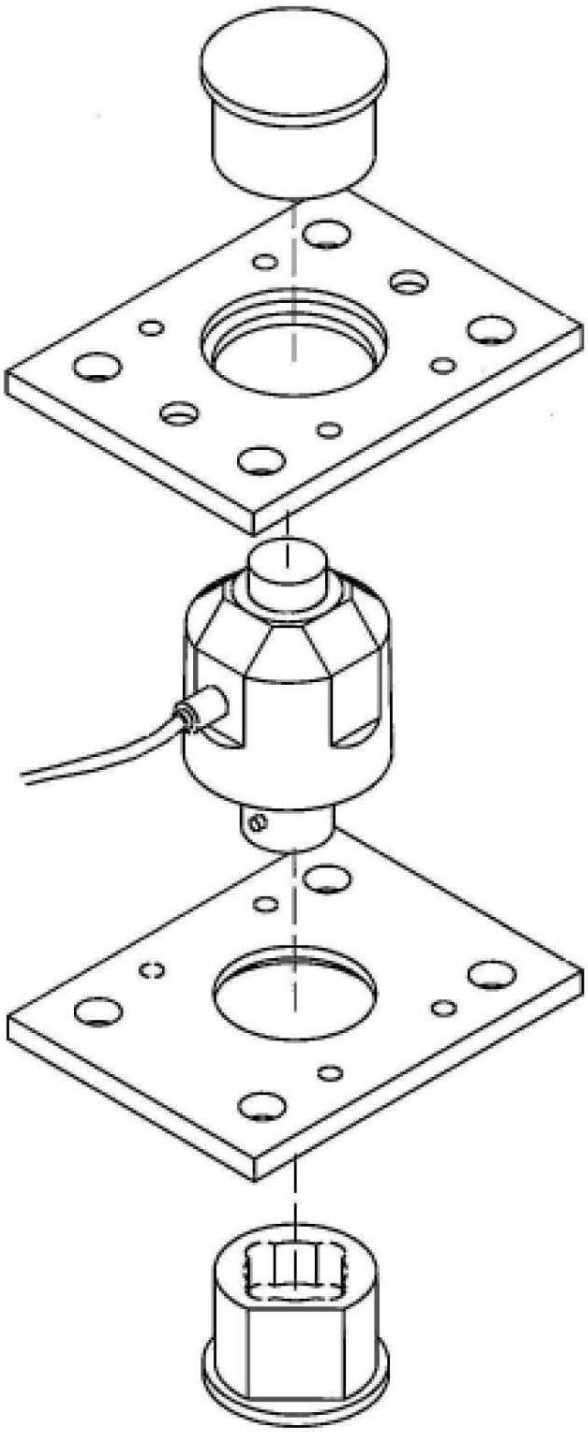
Type: A & D LCC11 Series

Model suffix:		T1010-K	T020-K	T030-K
Maximum capacity, E_{max}	kg	**10 000**	**20 000**	**30 000**
Accuracy class			C3	
Maximum number of verification scale Intervals			3000	
Minimum value of verification scale interval	kg	1	2	5
Minimum dead load output return value (DR)	kg	1.25	2.5	3.75
Output rating (nominal)	mV/V		2	
Input impedance (nominal)	Ω		800	
Supply voltage (AC or DC)	V		15 V (maximum)	
Cable length (0.1 m)	m		12	
Number of leads (plus shield)			4	

FIGURE S410 – 1

A & D Model LCC11T010-K Load Cell

FIGURE S410 – 2



Typical Mounting Method

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