



Australian Government

**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

NMI 6/4C/288

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 SJ-15KWP Weighing Instrument

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 76, *Non-automatic weighing instruments, Parts 1 and 2*, dated July 2004.

This approval becomes subject to review on 1/1/20, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variant 1 approved – certificate issued	18/12/14

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with approval number 'NMI 6/4C/288' and only by persons authorised by the submitter.

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.

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 'Yi Chen', written over a horizontal line.

Yi Chen

TECHNICAL SCHEDULE No 6/4C/288

1. Description of Pattern **approved on 18/12/14**

The A&D model SJ-15KWP class Ⅲ non-automatic multi-interval self-indicating weighing instrument (Figure 1 and Table 1) with a verification scale interval e_1 of 0.002 kg up to 6 kg and with a verification scale interval e_2 of 0.005 kg from 6 kg up to 15 kg.

The instrument is fitted with one LCD display for display of the weight value.

The instrument operates from 6 × D size 1.5 V batteries.

Instruments shall be marked 'NOT FOR TRADING DIRECT WITH THE PUBLIC' (or similar wording).

1.1 Zero

The initial zero-setting device has a nominal range of not more than 20% of the maximum capacity of the instrument.

The instrument has a semi-automatic zero-setting device with a nominal range of not more than 4% of the maximum capacity of the instrument.

A zero-tracking device may be fitted.

1.2 Tare

A semi-automatic subtractive tare device of up to maximum capacity may be fitted.

1.3 Display Check

A display check is initiated whenever power is applied.

1.4 Levelling

The instrument is provided with adjustable feet and adjacent to the level indicator is a notice stating 'Instrument must be level when in use' or similar wording.

1.5 Additional Features

Instruments may be fitted with a number of additional functions including comparator (LO, OK and HI) and counting ('pcs'). The additional functions (other than the indications of measured mass, i.e. gross, tare, net, totals, displayed either on the indicator or on an auxiliary or peripheral device) are not approved for trade use.

1.6 Verification Provision

Provision is made for the application of a verification mark.

1.7 Sealing Provision

Provision is made for access to the calibration switch which is located beneath the load receptor to be sealed by means of lead and wire type seals with drilled screws as shown in Figure 2a or destructible adhesive labels placed over the switch cover as shown in Figure 2b.

1.8 Descriptive Markings and Notices

Instruments carry the following markings:

Manufacturer's mark, or name written in full	A & D Company Limited
Name or mark of manufacturer's agent	A & D Australasia Pty Ltd
Indication of accuracy class	Ⓜ
Pattern approval mark for the instrument	NMI 6/4C/288
Maximum capacity	Max/..... g or kg #
Minimum capacity	Min g or kg #
Verification scale interval	e =/..... g or kg #
Serial number of the instrument

These markings are also shown near the display of the result if they are not already located there.

In addition, instruments shall carry a notice stating NOT FOR TRADING DIRECT WITH THE PUBLIC, or similar wording.

2. Description of Variant 1

approved on 18/12/14

Other SJ-WP models in certain other capacities as listed in Table 1 (the pattern is shown in **bold**).

TABLE 1

Model Number	Maximum Capacity (<i>Max₁/Max₂</i>)	Minimum Capacity (<i>Min</i>)	Verification Scale Interval (<i>e₁/e₂</i>)
SJ-3000WP	1.5 / 3 kg	0.01 kg	0.5 / 1 g
SJ-6000WP	3 / 6 kg	0.02 kg	1 / 2 g
SJ-15KWP	6 / 15 kg	0.04 kg	2 / 5 g
SJ-30KWP	15 / 30 kg	0.1 kg	5 / 10 g

TEST PROCEDURE No 6/4C/288

Instruments shall be tested in accordance with any relevant tests specified in the National Instrument Test Procedures.

Maximum Permissible Errors

The maximum permissible errors are specified in Schedule 1 of the *National Trade Measurement Regulations 2009*.

FIGURE 6/4C/288 – 1



A&D Model SJ-15KWP Weighing Instrument

FIGURE 6/4C/288 – 2



(a) Lead and Wire Type Sealing Arrangement



(b) Destructible Adhesive Stickers Sealing Arrangement

~ End of Document ~