



**Australian Government**  
**National Measurement  
Institute**

Bradfield Road, West Lindfield NSW 2070

## **Certificate of Approval**

### **NMI 6/4C/248**

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.

Jadever Model JWG-15K Weighing Instrument

submitted by South East Queensland Scales  
7/10 Enterprise Street  
ASHMORE QLD 4214

**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 **1/11/16**, and then every 5 years thereafter.

#### DOCUMENT HISTORY

<b>Rev</b>	<b>Reason/Details</b>	<b>Date</b>
0	Pattern & variant 1 approved – interim certificate issued	31/10/06
1	Pattern & variant 1 approved – certificate issued	14/12/06
2	Pattern & variant 1 reviewed & updated – certificate issued	19/04/12

## CONDITIONS OF APPROVAL

### General

Instruments purporting to comply with this approval shall be marked with approval number 'NMI 6/4C/248' 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.

Auxiliary devices used with this instrument shall comply with the requirements of General Supplementary Certificates No S1/0/A or No S1/0B.


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 a series of loops and a long horizontal stroke at the bottom.

## TECHNICAL SCHEDULE No 6/4C/248

### 1. Description of Pattern

approved on 31/10/06

A Jadever model JWG-15K class  non-automatic self-indicating single interval weighing instrument (Figure 1) of 15 kg maximum capacity with a verification scale interval of 0.005 kg. Instruments are fitted with a single display integral within the instrument body.

Instruments are not for trading direct with the public, and are so marked.

Instruments are approved for use over a temperature range of 0°C to +40°C and must be so marked.

Instruments may be fitted with output sockets (output interfacing capability) for the connection of auxiliary and/or peripheral devices.

Power supply may be either:

- 9 V DC supplied by an AC/DC mains adaptor or other DC power source; or
- internal rechargeable battery.

Note: The AC/DC mains adaptor supplied was a Taiwan model MWD41-0900400AS power supply (9 V DC, 400 mA); the submitter should be consulted regarding the acceptability of alternative power supply units.

#### 1.1 Zero

Zero is automatically corrected to within  $\pm 0.25e$  whenever power is applied and whenever the instrument comes to rest within  $0.5e$  of 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.

#### 1.2 Tare

A semi-automatic tare device of 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 advising that the instrument must be level when in use.

#### 1.5 Management Functions

Instruments may be fitted with a number of management functions including counting and percentage. These functions, buttons and displays 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 adjustments to be sealed by means of a destructible label over the casing joint on either side of the instrument (see Figure 1). A link within the instrument housing determines whether adjustments are possible and the status of this may be checked as follows:

- With the instrument switched off, press and hold the MR key, and switch the instrument on.
- If the instrument displays 'CAL' for a short period this indicates that the ability to carry out adjustments has NOT been disabled (the sealing of the instrument in this state will therefore not prevent adjustments).

## 1.8 Markings and Notices

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Jadever
Name or mark of manufacturer's agent	South East Queensland Scales
Indication of accuracy class	Ⓜ
Pattern approval mark for the instrument	6/4C/248
Maximum capacity	Max ..... kg *
Minimum capacity	Min ..... kg *
Verification scale interval	e = ..... kg *
Tare capacity (if less than Max)	T = - ..... kg
Serial number of the instrument	.....
Special temperature limits	0°C to 40°C

- \* These markings shall also be shown near the display of the result if they are not already located there.

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

## 2. Description of Variant 1

approved on 31/10/06

Certain other models and capacities as listed in Table 1.

TABLE 1

Model Number	Maximum Capacity (Max)	Minimum Capacity (Min)	Verification Scale Interval (e)	Tare Capacity (T)	Number of VSI (#)
JWG-6K	6 kg	0.04 kg	0.002 kg	6 kg	3000
JWG-30K	30 kg	0.2 kg	0.01 kg	30 kg	3000

(#) Maximum number of VSI (verification scale intervals)

### TEST PROCEDURE No 6/4C/248

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*.

Ensure that instruments are only being used within the special temperature limits stated elsewhere in this Technical Schedule.

FIGURE 6/4C/248 – 1



Jadever Model JWG-15K Weighing Instrument

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