



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

Cancellation
Certificate of Approval
No 6/4D/330

Issued by the Chief Metrologist under Regulation 60
of the
National Measurement Regulations 1999

This is to certify that the approval for use for trade granted in respect of the

Kingship Model KSP-30 Weighing Instrument

submitted by Universal Weighing Pty Ltd
 34 Lorimer Road
 Wattle Glen VIC 3096

has been cancelled in respect of new instruments as from 1 January 2013.

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 stylized cursive letters, positioned to the right of the signature text.



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Certificate of Approval

No 6/4D/330

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

Kingship Model KSP-30 Weighing Instrument

submitted by Universal Weighing Pty Ltd
34 Lorimer Road
Wattle Glen VIC 3096.

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.

Pattern approval testing was carried out in accordance with NMI R 76, *Non-automatic weighing instruments, Parts 1 and 2*, dated July 2004.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 September 2011, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NMI 6/4D/330 and only by persons authorised by the submittor.

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.

DESCRIPTIVE ADVICE

Pattern: approved 3 August 2006

- A Kingship model KSP-30 single interval self-indicating price-computing weighing instrument with a maximum capacity of 30 kg.

Variants: approved 3 August 2006

1. Model KSP-15 of 15 kg maximum capacity.
2. Model KSP-6 of 6 kg maximum capacity.

Technical Schedule No 6/4D/330 describes the pattern and variants 1 & 2.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4D/330 dated 2 August 2007
Technical Schedule No 6/4D/330 dated 2 August 2007 (incl. Test
Procedure)
Figure 1 dated 2 August 2007

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, appearing to be 'J. G. T.', located in the bottom right corner of the page.

TECHNICAL SCHEDULE No 6/4D/330

Pattern: Kingship Model KSP-30 Weighing Instrument

Submitter: Universal Weighing Pty Ltd
34 Lorimer Road
Wattle Glen VIC 3096

1. Description of Pattern

A Kingship model KSP-30 single interval self-indicating price-computing weighing instrument (Figure 1) with a maximum capacity of 30 kg and with a verification scale interval of 0.010 kg.

Instruments are fitted with the operator and customer displays integral within the main body of the instrument. The displays are liquid crystal display (LCD) panels.

Instruments have unit price to \$999.99/kg, price to \$9999.99, and a product look up (PLU) facility for storage of unit prices only.

The instrument operates from an internal rechargeable battery (6 V DC) or from mains AC power (240 V AC nominal) which also recharges the battery.

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 subtractive tare device of up to 14.990 kg capacity may be fitted.

1.3 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.

1.4 Display Check

A display check is initiated whenever power is applied.

1.5 Verification/Certification Provision

Provision is made for the application of a verification/certification mark.

1.6 Sealing Provision

Provision is made for the calibration adjustments to be sealed.

To ensure that the calibration is secured:

- (a) Press and hold the M3 key and switch on the instrument at the same time (do not release M3 until the software version '1.3' is displayed).
- (b) Press and hold the M6 key until 'SETUP' is displayed. Press M6 again.
- (c) If 'CAL' is displayed (and then '0.0000') during step (b), then the internal calibration jumper is NOT in the 'locked' position and this must be corrected by a service technician.
- (d) If 'CAL' is NOT displayed during step (b), (i.e. 'SETUP' remains displayed) then the internal calibration jumper is in the 'locked' position and the instrument can now be sealed by use of destructible labels over the calibration access hole and over the join between the casing halves in one location (if this is enough to prevent unauthorised access).

1.7 Descriptive Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	Kingship, Taiwan
Name or mark of manufacturer's agent
Indication of accuracy class	Ⓜ
Pattern approval mark for the instrument	NMI 6/4D/330
Maximum capacity	Max..... kg #
Minimum capacity	Min..... kg #
Verification scale interval	e = kg #
Maximum subtractive tare	T = - kg
Serial number of the instrument

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

2. Description of Variants

2.1 Variant 1

The model KSP-15 weighing instrument with a maximum capacity of 15 kg and with a verification scale interval of 0.005 kg. The tare device has a capacity of up to 7.495 kg.

2.2 Variant 2

The model KSP-6 weighing instrument with a maximum capacity of 6 kg and with a verification scale interval of 0.002 kg. The tare device has a capacity of up to 2.998 kg.

TEST PROCEDURE

Instruments should be tested in accordance with any relevant tests specified in the Uniform Test Procedures.

Maximum Permissible Errors at Verification/Certification

The maximum permissible errors are specified in Schedule 12 of the *National Measurement Regulations 1999*.

FIGURE 6/4D/330 – 1



Kingship Model KSP-30 Weighing Instrument