

Australian Government

National Measurement Institute Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

NMI 6/4D/374

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.

UWE Model ASEP-6P Weighing Instrument

submitted by Scales Plus Shop 1, 53 Belmont Ave Belmont WA 6104

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 1/10/19, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern & variants 1 & 2 approved – certificate issued	9/09/14

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI 6/4D/374' 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.

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

Special Conditions of Approval:

Certain aspects of this instrument (in particular label and ticket formats) are able to be configured by the user. Whilst NMI believes that acceptable label and ticket formats can be achieved for typical basic sales modes, it is also possible for the instrument to be configured to produce unacceptable formats, and use of some formats may be inappropriate for different sales modes. It is the responsibility of the user to ensure that acceptable and appropriate formats are used in any particular situation.

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

Dr A Rawlinson

TECHNICAL SCHEDULE No 6/4D/374

1. Description of Pattern

approved on 9/09/14

An UWE model ASEP-6P class \bigoplus non-automatic self-indicating price-computing multiple range weighing instrument (Figure 1 and Table 1) with a verification scale interval (e_1) of 0.001 kg up to 3 kg and a verification scale interval (e_2) of 0.002 kg from 3 kg up to the maximum capacity of 6 kg.

The changeover between weighing ranges is automatic.

The instrument has an operator keyboard and display integrated into the instrument body, and a column-mounted customer display. Both LCD displays are used for the presentation of tare, weight, unit price and price information, zero, net indications and functions relating to product look up (PLU) items.

Instruments display unit price to \$999.99/kg, total price to \$9999.99, and have a product look up (PLU) facility.

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

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

1.1 Zero

A zero-tracking device may be fitted.

The initial zero-setting device of the pattern 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 maximum capacity may be fitted.

1.3 Display Check

A display check is initiated whenever power is applied.

1.4 Power Supply

Power for the instrument may be supplied by either:

- an AC/DC mains adaptor; or/and
- an internal 6 V rechargeable battery.
- Note: The AC/DC mains adaptor supplied for the instrument was a model GOF model GS2S-006-120-B1 (12 V, 0.5 A) the submittor should be consulted regarding the acceptability of alternative power supply units.

1.4 Levelling

The instrument is provided with adjustable feet and a level indicator, and adjacent to the level indicator is a notice advising that the instrument must be level when in use.

1.5 Interfaces

Instruments may be fitted with interfaces for the connection of auxiliary and/or peripheral devices. Any interfaces shall comply with clause 5.3.6 of document NMI R76 (the basic intent of which is that it shall not be possible to alter weighing results via the interfaces).

Any measurement data output from the instrument or its interfaces shall only be used for trade in compliance with Supplementary Certificate No S1/0B (in particular in regard to the data and its format).

Instruments may be fitted with one RS232 serial data interface.

1.6 Software

The software is designated CE031 and version 6.002.

The software version and number can be seen in the switch-on display sequence (when the power is first applied to the instrument).

1.7 Descriptive Markings and Notices

Instruments carry the following markings:

Manufacturer's mark, or name written in full	UWE Co. Ltd Taiwan
Name or mark of manufacturer's agent	Scales Plus
Indication of accuracy class	
Pattern approval mark for the instrument	NMI 6/4D/374
Maximum capacity	<i>Max</i> g or kg #1
Minimum capacity	<i>Min</i> g or kg #1
Verification scale interval	e = g or kg #1
Serial number of the instrument	
Special temperature limits	0°C to +40°C

#1 These markings are shown near the display of the result.

Note:

For multiple range instruments, the maximum capacity, minimum capacity and verification scale interval for each range shall be marked, with an indication of the range to which they apply, e.g.

Range	W1	W2
Max	kg	kg
Min	kg	kg
e =	kg	kg

1.8 Verification Provision

Provision is made for the application of a verification mark.

1.9 Sealing Provision

Provision is made for the calibration to be sealed by setting a jumper on the main board within the instrument to a 'CAL-LOCK' location, and then preventing access within the instrument housing (Figure 3).

It is possible to determine that the jumper is in the 'LOCK' location by:

- Starting with the instrument switched off.
- Hold down the TARE key and press the ON/ZERO key.
- If the jumper is in the 'LOCK' location, the instrument will display 'F2'. In this
 case the instrument may be verified (press ON/ZERO to return to normal
 operation).
- Otherwise the instrument will indicate 'F1' in which case the instrument should not be verified until the jumper has been correctly located in the 'CAL-LOCK' location.

Sealing to prevent access within the instrument housing may be achieved by using a 'lead and wire' type seal as shown in Figure 3.

2. Description of Variant 1

approved on 9/09/14

Certain other capacities of the UWE model ASEP-P instruments as listed below in Table 1 below (the pattern is shown in **bold**).

Model	Maximum Capacity (<i>Max</i> 1/Max2)	Minimum Capacity (<i>Min₁/Min</i> 2)	Verification Scale Interval (<i>e</i> ₁ / <i>e</i> ₂)
ASEP-6/ ASEP-6P	3/6 kg	0.02/0.04 kg	0.001/0.002 kg
ASEP-15/ASEP-15P	6/15 kg	0.04/0.1 kg	0.002/0.005 kg
ASEP-30/ASEP-30P	15/30 kg	0.1/0.2 kg	0.005/0.01 kg
ASEP-60/ASEP-60P	30/60 kg	0.2/0.4 kg	0.01/0.02 kg

TABLE 1

3. Description of Variant 2

approved on 9/09/14

The UWE model ASEP instruments which are similar to the pattern but have the customer display within the main instrument housing rather than mounted on a column (Figure 2).

The model ASEP instruments may be in any capacity listed in Table 1.

TEST PROCEDURE No 6/4D/374

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 6/4D/374-1



UWE Model ASEP-P Weighing Instrument (pattern)

FIGURE 6/4D/374 - 2



UWE Model ASEP Weighing Instrument (Variant 2)

FIGURE 6/4D/374 - 3



Sealing location beneath platter (Ensure seal does not interfere with the platform)

Typical Sealing Method

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