



Australian Government

**Department of Industry,
Science and Resources**

**National
Measurement
Institute**

36 Bradfield Road, West Lindfield NSW 2070

**Interim
Provisional
Certificate of Approval
NMI P6/10B/101**

VALID FOR VERIFICATION PURPOSES UNTIL 31 March 2025

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.

Avery Weigh-Tronix Model 5109 DH Weighing Instrument

submitted by AustSys Technologies Pty Ltd
9 Yiannis Court
Springvale VIC 3171

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 October 2015.

This approval is subject to review at the decision of the Chief Metrologist in accordance with the conditions specified in the document NMI P 106.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern provisionally approved – interim certificate issued	26/09/24

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI P6/10B/101' 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 Certificate No S1/0B.

The values of the performance criteria (maximum number of scale intervals etc.) applicable to the instrument shall be within the limits specified herein and in any approval documentation for the components where they are approved separately.

This approval shall NOT be used in conjunction with General Certificate No 6B/0.

Special Conditions of Approval: (Provisional Approval)

This approval is limited to 1 (one) instrument only, located at:

Origin Eraring Power Station
268 Rocky Point Road
Eraring NSW 2264


Instruments purporting to comply with this approval shall be marked with approval number 'NMI P6/10B/101' and only by persons authorised by the submitter. (Note: The 'P' in the approval number may be a temporary marking.)

The approval will remain provisional pending completion of satisfactory in-situ testing and evaluation, and approval of the indicator and load cells listed below.

In the event of unsatisfactory performance the approval may be cancelled (or varied).

The submitter shall implement such modifications as required by NMI. In the event that such modifications (if any are required by NMI) are not made to the satisfaction of NMI, this approval may be withdrawn.

1. Description of Pattern **provisionally approved on 26/09/24**

Avery Weigh-Tronix Model 5109 DH (Figure 1) self-indicating class  single interval weighing instrument of 120 000 kg maximum capacity with verification scale interval of 50 kg and with a minimum capacity of 1000 kg.

1.1 Basework

The basework is in the form of a hopper directly supported by eight (8) load cells.

1.2 Load Cells

Avery Weigh-Tronix model T301x C6 digital load cells (Figure 3) of 30 000 kg capacity are used.

1.3 Indicator

An Avery Weigh-Tronix model ZM615 digital indicator (Figure 2) is used.

1.4 Verification Provision

Provision is made for the application of a verification mark.

1.5 Descriptive Markings and Notices

Instruments are marked with the following data:

Manufacturer's mark, or name written in full	Avery Weigh-Tronix
Name or mark of manufacturer's agent	AustSys Technologies Pty Ltd
Indication of accuracy class	Ⓜ
Maximum capacity	<i>Max</i> 120 000 kg *
Minimum capacity	<i>Min</i> 1000 kg *
Verification scale interval	<i>e</i> = 50 kg *
Serial number of the instrument
Pattern approval mark for the instrument	NMI P6/10B/101

* These markings shall be shown near the display of the result.

1.6 Sealing Provision

Provision is made for the calibration to be sealed by setting a link on the mainboard within the instrument to 'CLOSE' position, and then preventing access within the instrument housing.

Sealing to prevent access within the instrument housing may be achieved by using destructible adhesive labels placed over the opposite sides of a join in the instrument housing.

1.7 Software

The legally relevant software version is designated AWT30-500208 version 2.x.x.x, where x.x.x represents the identification of non-legally relevant software.

TEST PROCEDURE No P6/10B/101

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

Suitable provision must be made for the application of suitable verified masses to the instrument as required for verification purposes.

Maximum Permissible Errors

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

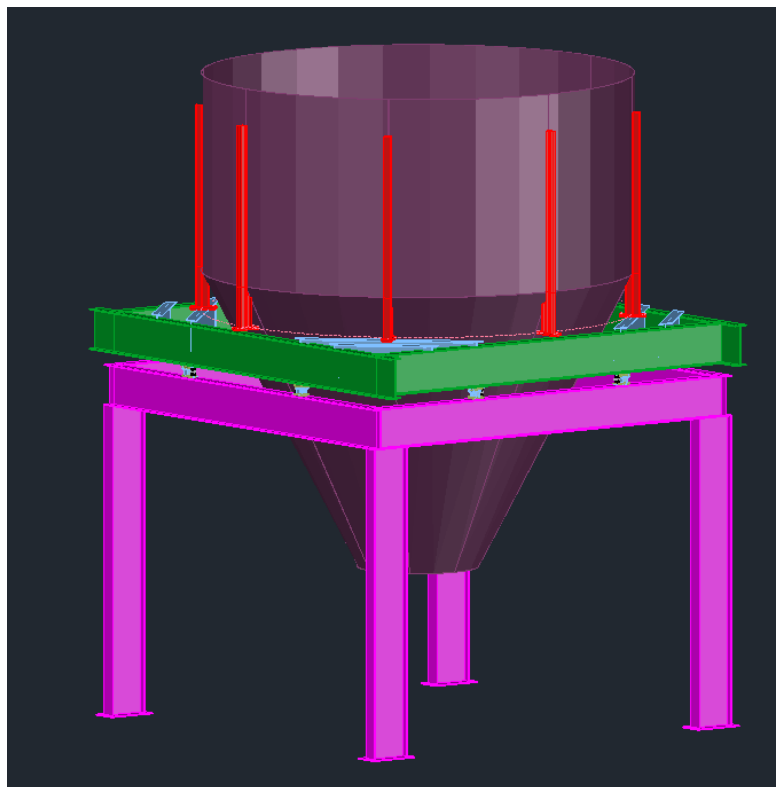
Signed by a person authorised by the Chief Metrologist to exercise their powers under Regulation 60 of the *National Measurement Regulations 1999*.



Phillip Mitchell

A/g Manager
Policy and Regulatory Services

FIGURE P6/10B/101 – 1



Avery Weigh-Tronix Model 5109 DH Weighing Instrument

FIGURE P6/10B/101 – 2



Avery Weigh-Tronix Model ZM615 Digital Indicator

FIGURE P6/10B/101 – 3



Avery Weigh-Tronix Model T301x Digital Load Cell

~ End of Document ~