

National Standards Commission



Certificate of Approval

No 6/9C/242

Issued under Regulation 9
of the
National Measurement (Patterns of Instruments) Regulations

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

Haenni Model WL 103 Weighing Instrument

submitted by W W Wedderburn Pty Ltd
90 Parramatta Road
Summer Hill NSW 2130.

Signed and sealed by a person authorised under Regulation 9 of the National Measurement (Patterns of Instruments) Regulations to exercise the powers and functions of the Commission under this Regulation.



CONDITIONS OF APPROVAL

This approval is subject to review on or after 1/6/96.

This approval expires in respect of new instruments on 1/6/97.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/242 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 drawings and specifications lodged with the Commission 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 the Commission's Document 106.

The Commission reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

Special:

Values obtained by the summation of readings from one or more instruments shall not be used for trade as the uncertainty of such measurements could exceed the maximum permissible errors for class 4 weighing instruments.

DESCRIPTIVE ADVICE

Pattern: approved 30/5/91

- . A Haenni model WL 103 self-indicating class 4 platform weighing instrument of 10 t maximum capacity with a verification scale interval of 0.05 t.

Technical Schedule No 6/9C/242 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/9C/242 dated 18/7/91
Technical Schedule No 6/9C/242 dated 18/7/91 (incl. Test Procedure)
Figure 1 dated 18/7/91



National Standards Commission

TECHNICAL SCHEDULE No 6/9C/242

Pattern: Haenni Model WL 103 Weighing Instrument.

Submitter: W W Wedderburn Pty Ltd
90 Parramatta Road
Summer Hill NSW 2130.

1. Description of Pattern

- A Haenni model WL 103 self-indicating class 4 platform weighing instrument (Figure 1) of 10 t capacity with a verification scale interval of 0.05 t.

1.1 Platform

The platform has the weighing area marked by a groove and is supported by compressible liquid-filled tubes which are indirectly connected to the digital indicator.

1.2 Indicator

The integral electronic indicator is approved for use with a maximum of 200 verification scale intervals.

1.2.1 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 instrument has an initial zero-setting device with a nominal range of 10% of the maximum capacity of the instrument.

1.2.2 Display Check

A display check is initiated whenever power is applied.

1.3 Level Indicator

Adjacent to the level indicator is a notice stating that THE MEASUREMENT MAY NOT BE CORRECT UNLESS THE INSTRUMENT IS LEVEL, or similar wording.

1.4 Verification/Certification Provision

Provision is made for a verification/certification mark to be provided.

1.5 Markings

Instruments are marked with the following data, together in one location:

Manufacturer's name or mark

Serial number

NSC approval number

Accuracy class

Maximum capacity

Minimum capacity

Verification scale interval

NSC No 6/9C/242



Max t or kg *

Min t or kg *

e = d = t or kg *

- * Repeated in the vicinity of the reading face, if not already in that location.

TEST PROCEDURE No 6/9C/242

Instruments should be tested in accordance with any relevant tests specified in the Inspector's Handbook.

Maximum Permissible Errors at Verification/Certification

The maximum permissible errors for increasing and decreasing loads, expressed in terms of verification scale interval (e), with the instrument adjusted to zero within $\pm 0.25e$ at no load, are:

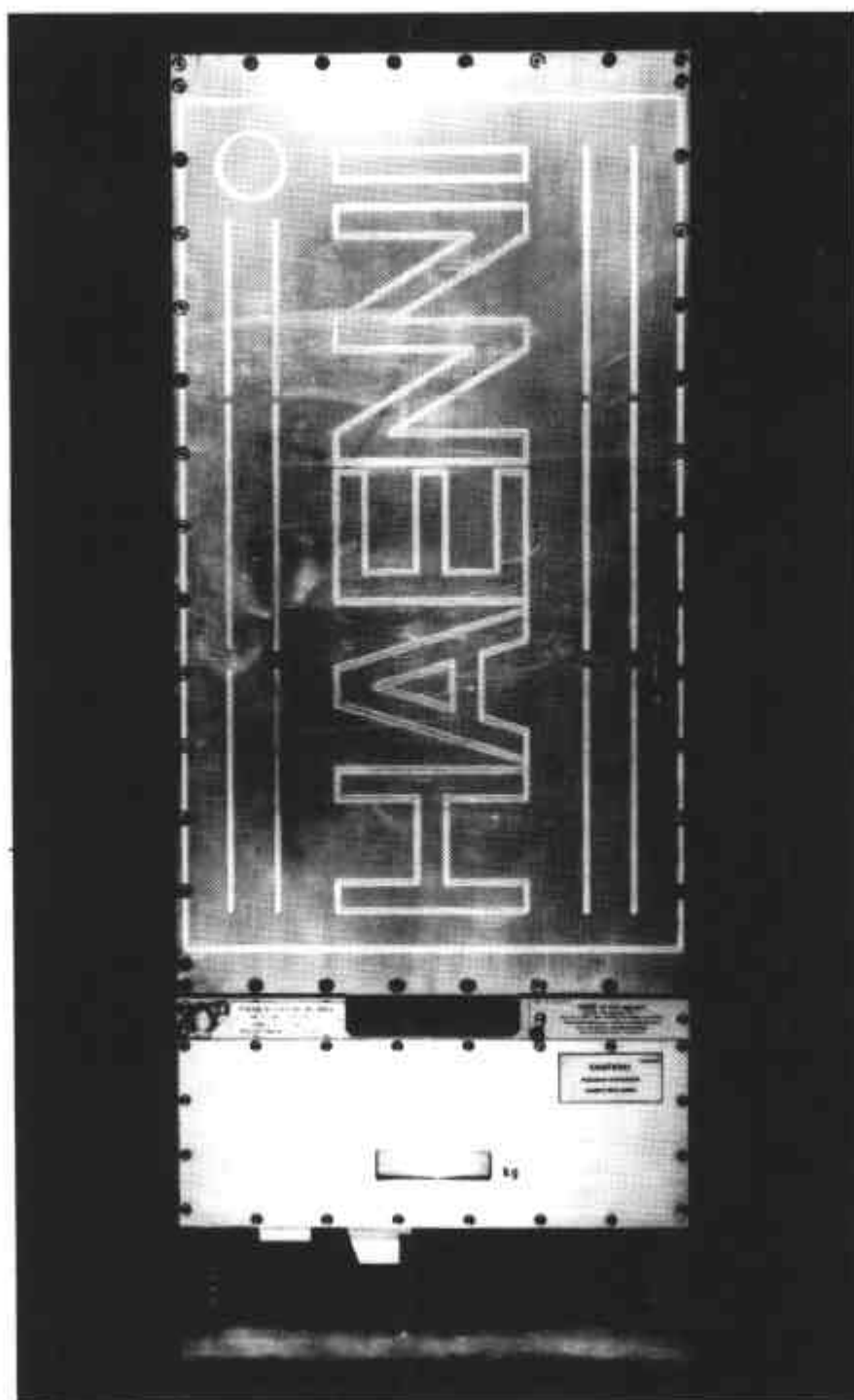
$\pm 0.5e$ for loads from 0 to $50e$; and

$\pm 1.0e$ for loads over $50e$ up to $200e$.

1. Load Test

Test loads are to be applied, using special fittings, increasing in at least 5 approximately-equal steps to maximum capacity, followed by decreasing loads in 5 approximately-equal steps to zero load.

FIGURE 6/9C/242 - 1



Haenni Model WL 103 Weighing Instrument