

National Standards Commission



Certificate of Approval

No 6/9C/251

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

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

Wellsweigh Model LP 3000 Weighing Instrument

submitted by Just In Scales
Unit 15, Stage 2, Welshpool Trade Centre
Cnr Welshpool Road & Leach Highway
Welshpool WA 6106.

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.

CONDITIONS OF APPROVAL

This approval is subject to review on or after 1 December 2000.
This approval expires in respect of new instruments on 1 December 2001.

Instruments purporting to comply with this approval shall be marked NSC No 6/9C/251 and only by persons authorised by the submittor.

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

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 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 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.

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

The pattern as approved herein or with substitute load cells and/or indicator, and in other capacities, shall comply with General Certificate No 6B/0.

DESCRIPTIVE ADVICE

Pattern: approved 6 November 1995

- A Wellsweigh model LP 3000 self-indicating weighing instrument of 3000 kg maximum capacity.

Variant: approved 6 November 1995

1. In certain other capacities up to 1499 kg.

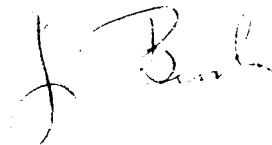
Technical Schedule No 6/9C/251 describes the pattern and variant 1.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/9C/251 dated 29 February 1996
Technical Schedule No 6/9C/251 dated 29 February 1996 (incl. Test Procedure)
Figures 1 and 2 dated 29 February 1996

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





National Standards Commission

TECHNICAL SCHEDULE No 6/9C/251

Pattern: Wellsweigh Model LP 3000 Weighing Instrument.

Submitter: Just In Scales
Unit 15, Stage 2, Welshpool Trade Centre
Cnr Welshpool Road & Leach Highway
Welshpool WA 6106.

1. Description of Pattern

A Wellsweigh model LP 3000 self-indicating weighing instrument of 3000 kg maximum capacity and approved for use with up to 3000 verification scale intervals.

1.1 Basework

The model LP 3000 basework (Figure 1) has the platform directly supported by 4 load cells which are fitted with self-aligning supporting feet.

1.2 Load Cells

Four Kelba model KA-1000-C3 load cells of 1000 kg capacity are used as described in the documentation of NSC approval No S155A, and mounted as shown in Figure 2.

1.3 Indicator

A Gedge Systems model GS1650 Mk3 digital indicator is used as described in the documentation of NSC approval No S193A.

1.4 Markings

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

Manufacturer's name or mark

Serial number

NSC approval numbers - instrument
- load cells
- indicator

NSC No 6/9C/251

NSC No S

NSC No S

Accuracy class

Maximum capacity

Minimum capacity

Verification scale interval

III

Max kg *

Min kg *

e = kg *

* These are repeated adjacent to each reading face.

1.5 Verification/Certification Provision

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

1.6 Sealing Provision

Provision is made for the calibration adjustments to be sealed using the screws on the face of the indicator.

2. Description of Variant 1

In other capacities up to 1499 kg.

TEST PROCEDURE

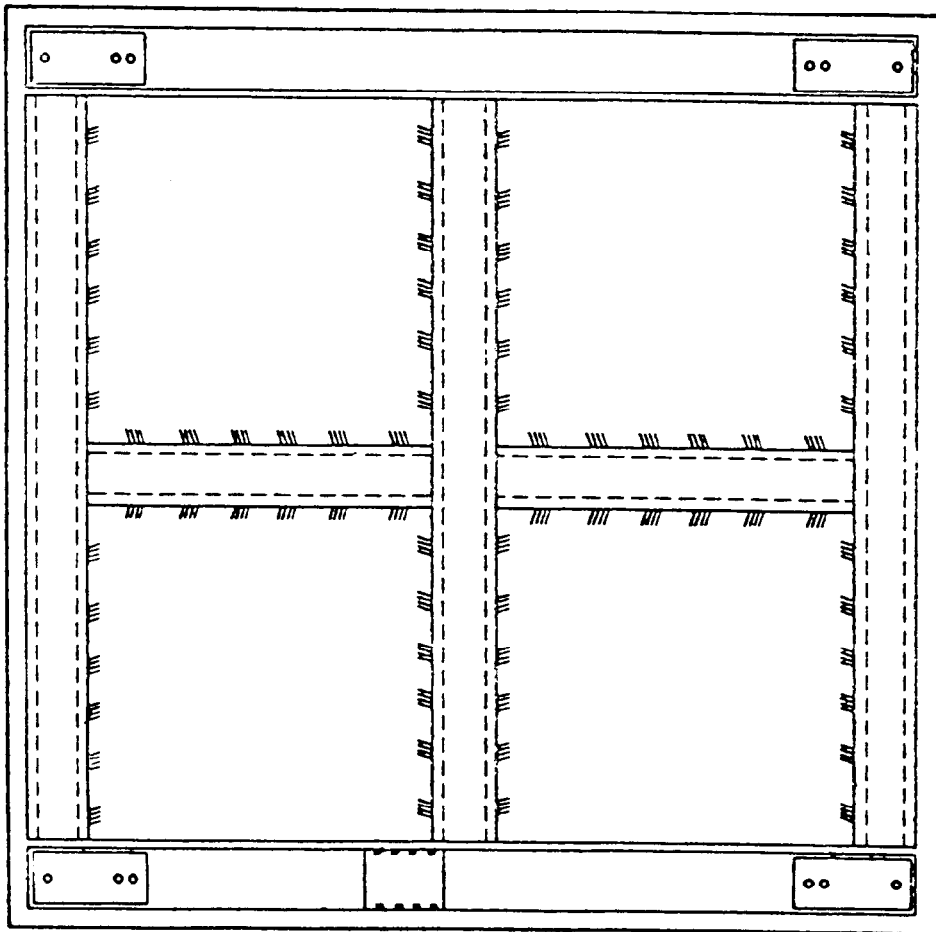
Instruments should be tested in conjunction with any tests specified in the approval documentation for the indicator used, and in accordance with any relevant tests specified in the Inspector's Handbook.

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:

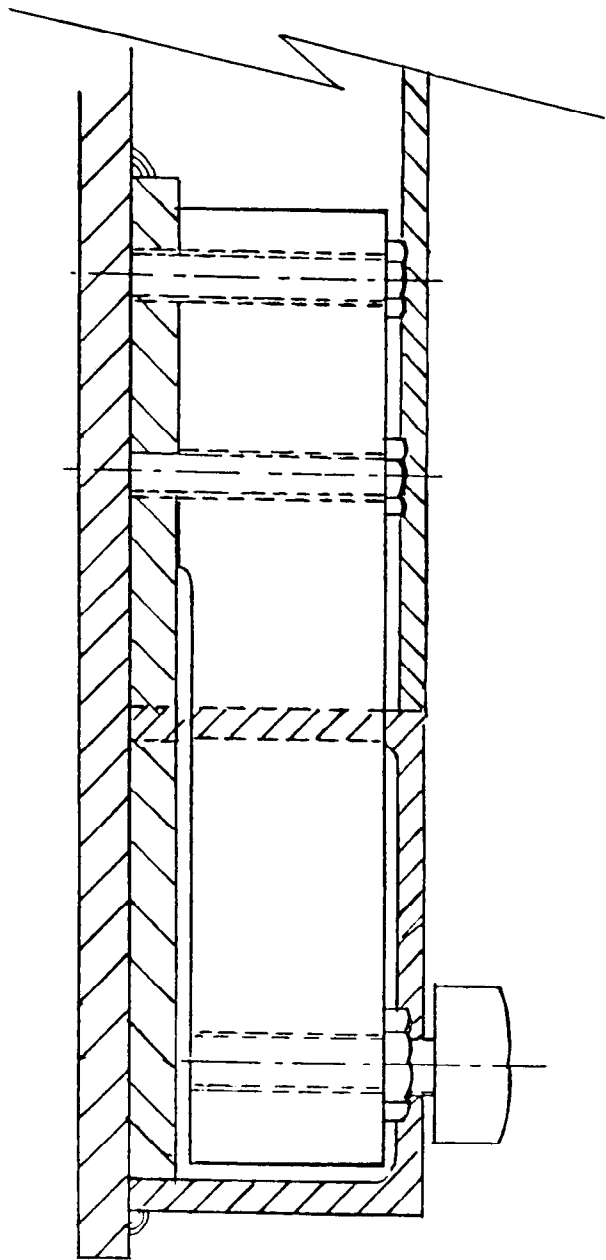
- $\pm 0.5e$ for loads from 0 to 500e;
- $\pm 1.0e$ for loads over 500e up to 2000e; and
- $\pm 1.5e$ for loads over 2000e.

FIGURE 6/9C/251 - 1



Wellsweigh Model LP 3000 Basework

FIGURE 6/9C/251 - 2



Load Cell Mounting - Model LP 3000 Basework