National Standards Commission

Conversion Certificate of Approval

No 6B/227

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

Avery Model 4390 BFB (Converted) Weighing Instrument

submitted by Precision Calibration Service Pty Ltd
Unit 11, 21-23 Daniel Street
Wetherill Park NSW 2164.

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 becomes subject to review on 1 September 2001, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked NSC No 6B/227 and only by persons authorised by the submittor.

..../2

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.

Special:

Instruments shall not be manufactured using this approval. Instruments shall only be converted or modified as described herein or with substitute load cells and/or indicator, and in other capacities, in accordance with General Certificate No 6B/0.

DESCRIPTIVE ADVICE

Pattern: approved 21 August 1996

- A converted Avery model 4390BFB weighing instrument of 5 000 kg maximum capacity with a verification scale interval of 2 kg. The pattern has been converted to a lever/load cell weighing instrument and now uses a Precision Transducers model LS1000 load cell of 1000 kg capacity (as described in the documentation of NSC approval No S224A) and a Ranger model 9000 digital indicator (as described in the documentation of NSC approval No S304).

Variants: approved 21 August 1996

1. With the basework of any other Commission-approved mechanical or lever/load cell weighing instrument converted in accordance with General Certificate No 6B/0. (refer Special Conditions of Approval)

2. With the digital indicator of any Commission-approved full load cell weighing instrument replaced by another Commission-approved digital indicator.

..../3

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 on initial verification/certification for loads, m, expressed in verification scale intervals, e, are:

$\pm 0.5e$ for loads $0 \leq m \leq 500$;
$\pm 1.0e$ for loads $500 \leq m \leq 2\,000$; and
$\pm 1.5e$ for loads $2\,000 \leq m \leq 10\,000$.

FILING ADVICE

The documentation for this approval comprises only this Certificate.

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.