National Standards Commission

Certificate of Approval

No 6/4C/88

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**

Spectra-Physics Model Magellan 24 Weighing Instrument

submitted by Spectra-Physics (Australia) Pty Ltd
25 Research Drive
Croydon VIC 3136.

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 1999.
This approval expires in respect of new instruments on 1 December 2000.

Instruments purporting to comply with this approval shall be marked NSC No 6/4C/88 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.

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

DESCRIPTIVE ADVICE

Pattern: approved 9 November 1994

- A Spectra-Physics model Magellan 24 self-indicating weighing instrument of 15 kg maximum capacity.

Technical Schedule No 6/4C/88 describes the pattern.

Variant: approved 10 August 1995

1. Of 9.995 kg maximum capacity.

Technical Schedule No 6/4C/88 Variation No 1 describes variant 1.

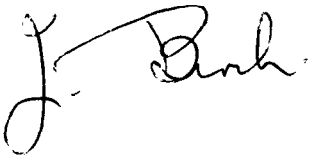
FILING ADVICE

Certificate of Approval No 6/4C/88 dated 31 January 1995 is superseded by this Certificate and may be destroyed.

The documentation for this approval now comprises:

Certificate of Approval No 6/4C/88 dated 13 September 1995
Technical Schedule No 6/4C/88 dated 31 January 1995 (incl. Test Procedure)
Technical Schedule No 6/4C/88 Variation No 1 dated 13 September 1995
Figures 1 and 2 dated 31 January 1995

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 6/4C/88

Pattern: Spectra-Physics Model Magellan 24 Weighing Instrument.

Submittor: Spectra-Physics (Australia) Pty Ltd
25 Research Drive
Croydon VIC 3136.

1. Description of Pattern

A Spectra-Physics model Magellan 24 self-indicating weighing instrument (Figure 1) of 15 kg maximum capacity with a verification scale interval of 0.005 kg, and with an inbuilt bar code scanning device. The instrument may be fitted with output sockets for the connection of peripheral and/or auxiliary devices.

Instruments are fitted with a model 960RD remote display (Figure 2).

1.1 Zero

Zero is automatically corrected to within ±0.25e whenever the instrument comes to rest within 0.5e of zero. If the instrument comes to rest outside that range but within the zero setting range, zero may be set by pressing the zero button.

The instrument has an initial zero-setting device with a nominal range of not more than 20% of the maximum capacity of the instrument.

1.2 Display Check

A display check is initiated whenever power is applied.

1.3 Scanner

The instrument is fitted with an inbuilt laser scanner for reading bar codes.

1.4 Verification/Certification Provision

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

1.5 Sealing Provision

Provision is made for the calibration switch located under the load receptor to be sealed.

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1.6 Markings

The instrument is marked with the following data, together in one location:

Manufacturer's name or mark	
Serial number	..... #
NSC approval number	NSC No 6/4C/88
Accuracy class	(III)
Maximum capacity	Max..... kg *
Minimum capacity	Min ..... kg *
Verification scale interval	e = ... kg *
Special temperature limits	0°C/40°C

\# This marking may be in a separate location adjacent to the other markings.

* These markings are repeated close to each reading face.

TEST PROCEDURE

Instruments should be tested in conjunction 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 ±0.25e at no load, are:

±0.5e for loads from 0 to 500e;
±1.0e for loads over 500e up to 2000e; and
±1.5e for loads over 2000e.

National Standards Commission

TECHNICAL SCHEDULE No 6/4C/88

VARIATION No 1

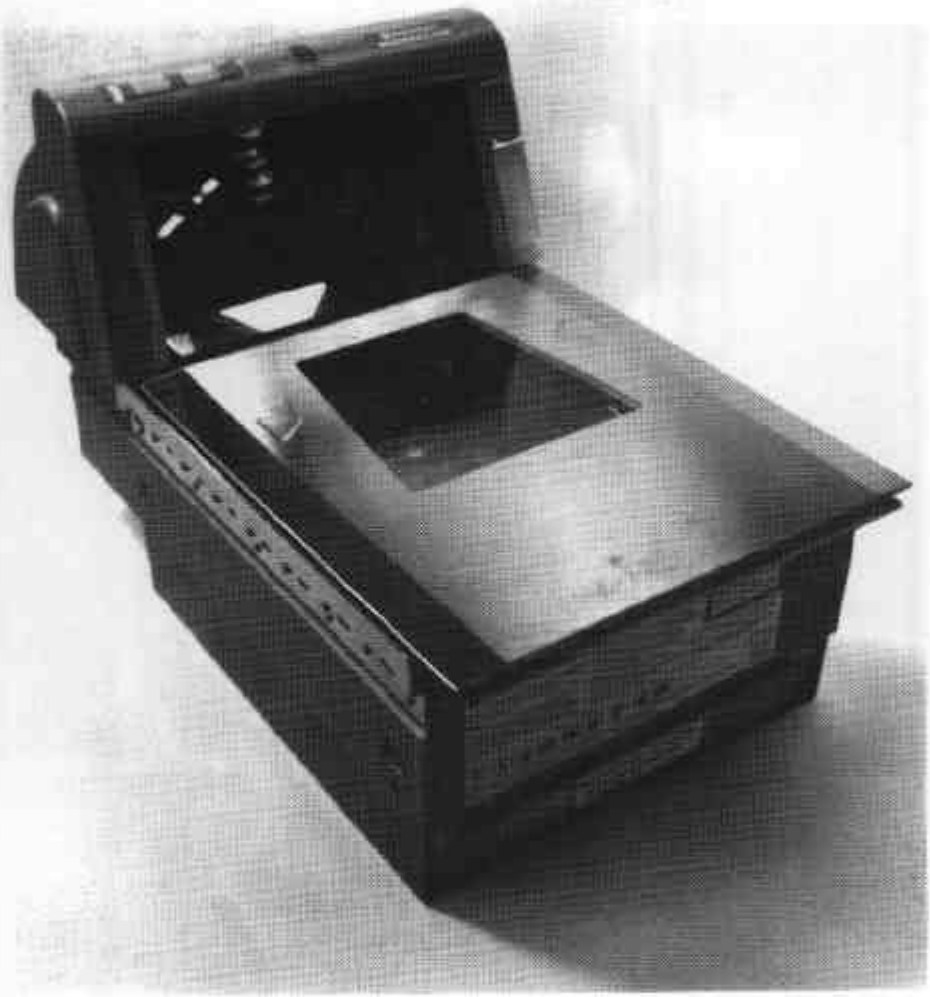
Pattern: Spectra-Physics Model Magellan 24 Weighing Instrument.

Submittor: Spectra-Physics (Australia) Pty Ltd
25 Research Drive
Croydon VIC 3136.

1. Description of Variant 1

A Spectra-Physics model Magellan 24 self-indicating weighing instrument of 9.995 kg maximum capacity with a verification scale interval of 0.005 kg.

FIGURE 6/4C/88 - 1



Spectra-Physics Model Magellan 24 Weighing Instrument

FIGURE 6/4C/88 - 2

Remote Display