



Australian Government
National Measurement
Institute

Bradfield Road, West Lindfield NSW 2070

Certificate of Approval

No 6/4C/258

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

NCR Model RealScan 7874-5000 Weighing Instrument

submitted by NCR Corporation
2651 Satellite Blvd
Duluth Georgia 30096
USA.

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 July 2004.

CONDITIONS OF APPROVAL

This approval becomes subject to review on 1 January 2014, and then every 5 years thereafter.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI 6/4C/258' and only by persons authorised by the submittor.

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 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.

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

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

DESCRIPTIVE ADVICE

Pattern: approved 15 December 2008

- An NCR model RealScan 7874-5000 class III non-automatic single interval self-indicating weighing instrument of 15 kg maximum capacity.

Technical Schedule No 6/4C/258 describes the pattern.

FILING ADVICE

The documentation for this approval comprises:

Certificate of Approval No 6/4C/258 dated 16 December 2008
Technical Schedule No 6/4C/258 dated 16 December 2008 (incl. Test
Procedure)
Figures 1 to 5 dated 16 December 2008

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



TECHNICAL SCHEDULE No 6/4C/258

Pattern: NCR Model RealScan 7874-5000 Weighing Instrument
Submittor: NCR Corporation
2651 Satellite Blvd
Duluth Georgia 30096 USA

1. Description of Pattern

An NCR model RealScan 7874-5000 (#1) class III non-automatic self-indicating weighing instrument (Figures 1 to 4) of 15 kg maximum capacity with a verification scale interval of 0.005 kg.

Instruments may be fitted with output sockets (output interfacing capability) for the connection of auxiliary and/or peripheral devices.

Instruments are fitted with one or two model 7825 (#2) displays mounted on a column (Figure 2). Instruments are marked 'NOT FOR TRADING DIRECT WITH THE PUBLIC' (or similar wording) unless two displays are present or unless the single display is located such that all primary indications are clearly and simultaneously displayed to both the vendor and the customer.

Instruments may be fitted with an extended (horizontal) mounting bracket and larger weigh plate, as shown in Figure 4.

Instruments are approved for use over a temperature range of 0°C to $+40^{\circ}\text{C}$ and must be so marked.

Instruments use an AcBel model API2AD13 power supply; the submittor should be consulted regarding the acceptability of alternatives.

(#1) The last three digits of the model number (RealScan 7874-5****) may be numerals other than '0', and an additional suffix (e.g. -9090) may be added, but these represent features which are not metrologically significant.

(#2) May also be marked as 'Class 7825'.

1.1 Zero

A zero-tracking device may be fitted.

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

The instrument has a semi-automatic zero-setting device with a nominal range of not more than 4% of the maximum capacity of the instrument.

Note: The light beside the zero setting device button is not a zero indicating device but represents stable indication. The instrument does not require a zero indicating device.

1.2 Display Check

A display check is initiated whenever power is applied.

1.3 Scanner

Instruments are provided with an integral laser scanner for reading bar codes.

1.4 Sealing Provision

Provision is made for the calibration adjustments to be sealed.

This may be by sealing of the metal cover over the calibration adjustment switch which is located beneath the load receptor, and below a plastic cover in the plastic debris protection panel. The metal cover may be sealed by means of a lead and wire (or similar) type seal through the holes provided. A destructible adhesive label may alternatively be used – however to access a suitable area for application of the destructible adhesive label, it may be necessary to remove the plastic debris protection panel (Figure 5).

As an alternative to the above methods of physical sealing, sealing may be achieved by recording the values of the Calibration and Parameter Counters on a destructible adhesive label and affixing this to the instrument at the time of verification/certification. The Calibration and Parameter Counters are accessed by holding down the zero-setting button for approximately ten seconds – the counters will appear alternately as a number followed by either CAL or PAR (e.g. 7. CAL & 7.PAR).

By checking that these counters are the same as those recorded at verification/certification it may be confirmed that alteration of calibration and instrument parameters has not occurred.

1.5 Descriptive Markings

Instruments carry the following markings:

Manufacturer's mark, or name written in full	NCR Corporation
Name or mark of manufacturer's agent
Indication of accuracy class	Ⓜ
Pattern approval mark for the instrument	NMI 6/4C/258
Maximum capacity	<i>Max</i> kg *
Minimum capacity	<i>Min</i> kg *
Verification scale interval	<i>e</i> = kg *
Serial number of the instrument
Special temperature limits	+0 °C to +40 °C

- These markings shall also be shown near the display of the result if they are not already located there.

1.6 Verification/Certification Provision

Provision is made for the application of a verification/certification mark.

TEST PROCEDURE

Instruments should be tested in accordance with any relevant tests specified in the Uniform Test Procedures.

Maximum Permissible Errors

The maximum permissible errors are specified in Schedule 12 of the *National Measurement Regulations 1999*.

Ensure that instruments are only being used within the special temperature limits stated elsewhere in this Technical Schedule.

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FIGURE 6/4C/258 – 1



NCR Model RealScan 7874-5000 Weighing Instrument

FIGURE 6/4C/258 – 2



(a) Two NCR Model 7825 displays mounted on a single column

(b) Single Model 7825 display



FIGURE 6/4C/258 – 3



NCR Model RealScan 7874-5000 Weighing Instrument
With Load Receptor Plate Removed

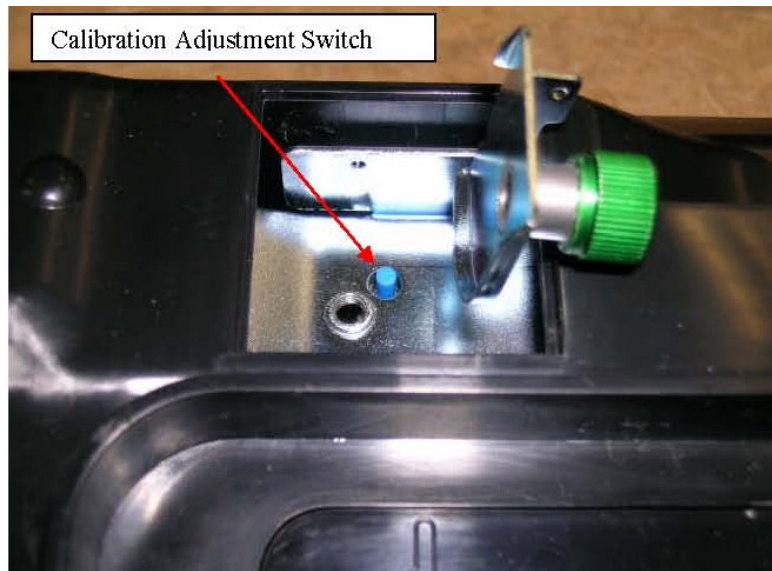
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FIGURE 6/4C/258 – 4



NCR Model RealScan 7874-5000 Weighing Instrument
With Extended Mounting Bracket and Load Receptor

FIGURE 6/4C/258 – 5



Showing Typical Sealing