



Australian Government
Department of Industry,
Innovation and Science

**National
Measurement
Institute**

**Interim
Supplementary Certificate of Approval
NMI P6/10B/93**

VALID FOR VERIFICATION PURPOSES UNTIL 2 JUNE 2017

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 instruments herein described.

Schenck Process Model DFF Weighing Instrument
submitted by Schenck Process Australia Pty Ltd
5 Elwell Close
Beresfield NSW 2322

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.

DOCUMENT HISTORY

| Rev | Reason/Details | Date |
|------------|---|-------------|
| 0 | Pattern provisionally approved – interim certificate issued | 2/12/16 |
| | | |

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI P6/10B/93' 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 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.

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

This approval shall NOT be used in conjunction with General Certificate No 6B/0.

Special: (Provisional Approval)

This approval is limited two (2) instruments only, the serial numbers of which may be obtained from the National Measurement Institute. The submitter shall advise NMI in writing of the proposed location/s or serial number/s of the instruments prior to them being initially verified.


The instruments purporting to comply with this approval shall be marked with approval number 'NMI P6/10B/93' and only by persons authorised by the submitter. (Note: The 'P' in the approval number may be a temporary marking.)

The approval will remain provisional pending completion of satisfactory testing and evaluation.

In the event of unsatisfactory performance the approval may be cancelled (or altered).

The submitter shall implement such modifications as required by NMI. In the event that such modifications (if any are required by NMI) are not made to the satisfaction of NMI, this approval may be withdrawn.

1. Description of Pattern **provisionally approved on 2/12/16**

A Schenck Process model DFF class  non-automatic self-indicating weighing instrument of 200 000 kg maximum capacity with a verification scale interval of 50 kg.

Instruments used with more than 3000 verification scale intervals shall be provided with wind protection in accordance with clause **4. Wind Effects** of General Certificate of Approval No 6B/0.

The model DFF load receptor consists of four platforms. Each platform is fully supported by 6 load cells. Dimensions of the platform are 15 x 3 m (nominal).

Six Schenck Process model RTN 33t C4 load cells of 33 000 kg capacity are used to support the platform. The load cells are also described in the documentation of approval NMI S347A.

A Schenck model DISOBX Plus VME21080 analogue data processor is used for each platform. The module is also described in the documentation of approval NMI S601.

Where the instrument is intended to be installed as a weighbridge, it shall be ensured that all relevant weighbridge requirements of the National Measurement Legislation are met (e.g. in relation to weighbridge approaches, visibility and the location of the weighbridge indicator and platform).

This approval does not certify that such requirements have (or can be) met.

The requirements of the National Measurement Legislation regarding the ground or floor under the platform vary according to whether the instrument is installed as a portable weighbridge, weighbridge without a pit or a weighbridge with a pit. However, bolting of the load cell support pads to suitable concrete piers is considered essential to provide a suitable stable base, irrespective of other aspects of instrument installation.

Note that it is important that suitable provision be made for the loading of test masses. For example, clear access for a forklift may be necessary at both sides of the platform.

The primary indication of the instrument is provided by the software application Schenck DISOVIEW X operating on a PC. The operating system of the PC is Microsoft Windows 7 or later.

The weight values of the weighing modules are polled by DISOVIEW X via the serial or Ethernet interface. The weight value of the instrument is displayed by DISOVIEW on the monitor of the PC.

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



Dr A Rawlinson

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