



Australian Government
Department of Industry,
Innovation and Science

**National
Measurement
Institute**

36 Bradfield Road, West Lindfield NSW 2070

**Interim
Provisional
Supplementary Certificate of Approval
NMI PS413**

VALID FOR VERIFICATION PURPOSES UNTIL 1 October 2020

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.

Smith Meter Inc AccuLoad III Model ALIII-S Controller for Liquid-measuring Systems

submitted by Diamond Key International
 110 Henderson Road
 Rowville VIC 3178

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 117-1, *Measuring Systems for Liquids Other than Water*, dated June 2011..

This approval becomes subject to review on **1/02/19**, and then every 5 years thereafter.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern approved – interim certificate issued	14/01/03
1	Pattern & variant 1 approved – certificate issued	10/04/03

Document History (cont...)

Rev	Reason/Details	Date
2	Pattern amended (add biodiesel) – notification of change issued	31/08/06
3	Pattern & variant 1 reviewed – variants 2 & 3 approved – certificate issued (incl. notification of change)	19/05/08
4	Pattern & variants 1 to 3 reviewed & updated – certificate issued	4/04/14
5	Variant 4 provisionally approved – interim certificate issued	20/09/19

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI (or NSC) S413' and only by persons authorised by the submitter.

Instruments incorporating a component purporting to comply with this approval shall be marked 'NMI (or NSC) S413' in addition to the approval number of the instrument, 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 Certificates No S1/0/A or No S1/0B.

Special Conditions of Approval: (Provisional Approval)

This approval is limited to ten (10) sites only, the locations of which may be obtained from the National Measurement Institute. The submitter shall advise NMI in writing of the proposed location or serial number of each instrument prior to it being initially verified.

Instruments purporting to comply with this approval shall be marked with approval number 'NMI PS413' 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.

The submitter shall provide the NMI Pattern Approval Laboratory with copies of test results from the initial verification.

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 **approved on 14/01/03**

A Smith Meter Inc AccuLoad III model ALIII-S (*) loading controller for use in liquid-measuring systems incorporating compatible (#) NMI-approved flowmeters.

(*) Abbreviated model number - the full model number for the pattern is ALIII-S-XP-ALX2-A20000.

Note: Certificate of Approval S413 Rev 4 issued 4/04/14 describes the pattern and variants 1 to 3.

2. Description of Variant 4 **provisionally approved on 20/09/19**

With the system able to accept mass input pulses and display mass (kg).

The system is also able to convert from volume to mass for the following products: Asphalt, Bitumen and Bitumen cutback products.

For volume conversion for temperature facility:

- Liquid temperature range 0°C to 200°C

TEST PROCEDURE No PS413

Instruments shall be tested in accordance with any relevant tests specified in Certificate of Approval S413 Rev 4 issued 4/04/14.

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



Mario Zamora
A/g Manager
Policy and Regulatory Services

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