



Australian Government
**National Measurement
Institute**

Bradfield Road, West Lindfield NSW 2070

**Interim
Provisional
Certificate of Approval
NMI P5/6E/21**

VALID FOR VERIFICATION PURPOSES UNTIL 13 JULY 2016

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

Robot Pub Model Barflow Beer Flowmetering System

submitted by Robot Pub Ltd
 62 Stamford Street
 London SE19LX
 United Kingdom

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 Measuring Systems for Liquids Other than Water, dated June 2011.

DOCUMENT HISTORY

Rev	Reason/Details	Date
0	Pattern provisionally approved – interim certificate issued	13/07/15

CONDITIONS OF APPROVAL

General

Instruments purporting to comply with this approval shall be marked with pattern approval number 'NMI P5/6E/21' 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.

Special Conditions of Approval: (Provisional Approval)

This approval is limited to one (1) instrument (system) only, located at RORKES Beer Wine Food, 22 Smith Street, Darwin NT. The system may include multiple outlets (beer taps).

Instruments purporting to comply with this approval shall be marked with approval number 'NMI P5/6E/21' 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 NMI with copies of ALL verification test results.

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 13/07/15**

A Robot Pub model Barflow self-serve beer flowmetering system using a Titan Enterprises model 300-010 positive-displacement flowmeter approved for delivering beer.

The field of operation of the measuring system is determined by the following characteristics:

- Minimum measured quantity (V_{min}) 50 mL
- Maximum flow rate (Q_{max}) 15 L/min
- Minimum flow rate (Q_{min}) 1.3 L/min
- Maximum pressure of the liquid (P_{max}) 1000 kPa
- Ambient temperature range -10°C to 40°C
- Liquid temperature range 0°C to 35°C
- Accuracy class 0.5
- Product – Beer at nominal controlled temperature

The flowmeter is adjusted to be correct for the liquid (beer) for which it is to be verified and as marked on the data plate.

A delivery is initiated by pulling the operating lever forward; the desired amount is poured (into supplied glassware) until the lever is released stopping the delivery. The quantity delivered is displayed on the screen.

Beer is supplied to the system by means of a pressurised bulk container (keg).

Note to verifiers: A suitable Test Procedure may be obtained from NMI.

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

A handwritten signature in black ink, appearing to read 'A Rawlinson', with a horizontal line underneath.

Dr A Rawlinson

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