



**National
Measurement
Office
Certification**

Member State of OIML
United Kingdom of Great Britain
and Northern Ireland

OIML Certificate No
R117/1995-GB1-13.01

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

Person responsible: **Paul Dixon – Product Certification Manager**

Applicant: **Pumptronics Europe Ltd**
Address: **Folgate Road
North Walsham
Norwich**

Manufacturer: **Same as applicant**
Address:

Identification of the
certified pattern: **Liquids other than water dispenser, C Series**

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organisation of Legal Metrology (OIML):

OIML R117 - Edition 1995(E) for accuracy class: 0.5

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the certificates reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.

Issue Date: 18 December 2013
Reference No: T1117/0045

Signatory: **G Stones**
for **Chief Executive**



The conformity was established by tests described in the associated pattern evaluation report P00529.

Characteristics:

Table 1 –

Petrol, ethanol blended petrol, petrol with up to 5% methanol, petrol with up to 15% MTBE, diesel and biodiesel blends.

Accuracy Class	0.5
Mechanical Environment Class	M1
Electromagnetic Environment Class	E1
V_{min}	= 2 litres if $Q_{max} \leq 90$ lpm = 5 litres if $Q_{max} > 90$ lpm often determined by national re-verification practices.

Note: Where two (90 lpm) pumps and two meters are combined into a single outlet flowrates up to 180 LPM are approved.

Table 2 Prime Component Summary

Manufacturer	Type	Evaluation Certificate
Meters		
Tatsuno	FM1007	GB-1502
Pumptronics	FM-00H101	GB-1503
Gas Separators		
Tatsuno	FP1012	GB-1506
Tatsuno	FP1001	GB-1505
Pumptronics	FP-00H102	GB-1504
Electronic Calculator		
Pumptronics	MCU	GB-1507

Table 3 Prime Component Characteristics

	Ambient temp	Liquid temp	Viscosity range	Q_{min}	Q_{max}	P_{max}
FM1007 meter	-25°C to +55°C	-10°C to +40°C	0.4mPa.s to 17 mPa.s	3 lpm	90 lpm	3.5 bar
FM-00H101 meter	-25°C to +55°C	-10°C to +40°C	0.4mPa.s to 17 mPa.s	3 lpm	90 lpm	3.5 bar
PTF Adblue	-25°C to +55°C	-10°C to +50°C	-	4 lpm	40 lpm	3.5 bar
FP1012	-25°C to +55°C	-10°C to +40°C	0.4 mPa.s to 17 mPa.s	-	90 lpm*	3.5 bar
FP1001	-25°C to +55°C	-10°C to +40°C	0.4 mPa.s to 17 mPa.s	-	90 lpm**	3.5 bar
FP-00H102	-25°C to +55°C	-10°C to +40°C	0.4 mPa.s to 17 mPa.s	-	90 lpm**	3.5 bar
MCU (calculator)	-25°C to +55°C	-	-	-	-	-

* Gas indicator (sight glass) required at flow-rates above 40 lpm

** Gas indicator (sight glass) required at all flow-rates

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R117 1995-GB1-13.01	18 December 2013	Certificate first issued