



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

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**
Person responsible: **Paul Dixon – Director, Product Certification**
Applicant: **Gilbarco Veeder-Root
Crompton Close
Basildon
Essex, SS14 3BA
United Kingdom**

Manufacturer: **Veeder-Root**
6th Avenue at Burns Crossing 125 Powder Forest Drive
PO Box 1673 Simsbury
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USA USA

Identification of the certified pattern:

Family of probes and consoles used for measuring the level of fuel, or other liquids, in storage tanks.
Further characteristics see page 2.

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 R 85 - Edition 2008(E)

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: 02 February 2015
Reference No: T1139/0001

Signatory: G Stones



The conformity was established by tests and examinations as described in the associated test report TR552 having 40 pages and associated checklist P00156 having 12 pages, and Evaluation Report P01336.

1 Characteristics:

Probes	Mag Plus series of probes including Mag Plus HGP probes
	Measuring principle: Magnetostrictive
	Option of aluminium or stainless for the probe tube body Option of metallic or high grade polymer electronics housing
	Tube body material, and float, are selected to allow use with liquids including petroleum, diesel, gasoil, bioethanol blended fuels, biodiesel, aqueous urea solution (Adblue), LPG and chemicals.
	Length up to 3.66 m
	Fuel height accuracy better than +/- 1 mm
	Temperature -25 °C to +55 °C
Consoles	Types: TLS2 series, TLS-IB, TLS-50, TLS-3xx series, TLS-4xx series, TLS4 series

Table 1 Console Characteristics

	TLS2 series	TLS-IB	TLS-50	TLS-3xx series	TLS-4xx series	TLS4 series
Ambient temp	0 to +40 °C	0 to +40 °C	0 to +40 °C	0 to +40 °C	0 to +40 °C	0 to +40 °C
Display resolution	0,1mm	No display	0,1mm	0,1mm	0,1mm	0,1mm
Printer resolution	≥ Display resolution					
Resolution PC/ remote access	0,1mm	0,1mm	0,1mm	0,1mm	0,1mm	0,1mm
Voltage	230V -15%/+10%	230V -15%/+10%	230V -15%/+10%	230V -15%/+10%	120-230V -15%/+10%	120-230V -15%/+10%
Humidity	95%	95%	95%	95%	95%	95%

Options

- Wireless communication between console and probe using TLS RF.
- Connection to remote PC as the indicating device, as an alternative to a display and/or printer on the console facia.

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R85/2008-GB1-09.01	25 August 2009	Type approval first issued
R85/2008-GB1-09.01 Revision 1	16 July 2014	Revision 1 issued. Addition of Console TLS4 series into table 1.
R85/2008-GB1-09.01 Revision 2	02 February 2015	Revision 2 issued. Addition of Mag Plus HGP probes and housing materials into table 1.