



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

OIML Certificate No  
R85/2008-GB1-09.01

## OIML CERTIFICATE OF CONFORMITY

Issuing authority Name: **National Weights and Measures Laboratory  
(Part of the National Measurement Office)**

Address: **Stanton Avenue  
Teddington  
Middlesex, TW11 0JZ  
United Kingdom**

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

Applicant Name: **Gilbarco Veeder-Root**

Address: **Crompton Close  
Basildon  
Essex, SS14 3BA  
United Kingdom**

Manufacturer: **Veeder-Root**

Addresses: **6<sup>th</sup> Avenue at Burns Crossing      125 Powder Forest Drive  
PO Box 1673                                  Simsbury  
Altoona PA 16603                              Connecticut 06070-2003  
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 Organization of Legal Metrology (OIML):

**OIML:    R85  
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.

The conformity was established by tests described in the associated test report TR552 having 40 pages and the associated checklist P00156 having 12 pages.

Issuing authority



Mr P Dixon

CIML member



Mr P Mason

Date: 25<sup>th</sup> August 2009

Ref: T1139/0001

**Characteristics:**

<b>Probes</b>	Mag Plus series of probes
	Measuring principle: Magnetostrictive
	Option of aluminium or stainless tube for the probe body
	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
<b>Consoles</b>	Types TLS 2, TLS-IB, TLS-50, TLS3xx series, TLS-4xx series

**Table 1 Console Characteristics**

	TLS 2	TLS-1B	TLS-50	TLS-3xx series	TLS-4xx series
Ambient temp	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
Printer resolution	≥ Display resolution				
Resolution PC/ remote access	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%
Humidity	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.