Czech Metrology Institute

Member state
Czech Republic

OIML Certificate No.
R85/2008-CZ-12.05
Revision 1

OIML BASIC CERTIFICATE OF CONFORMITY

Issuing Authority

Name: Czech Metrology Institute
Address: Okružní 31,
638 00 Brno, CZ
Person responsible: Jan Kalandra

Applicant

Name: OPW Fuel Management Systems
Address: 6900 Santa Fe Drive
Hodgkins; IL60525
U.S.A.

Manufacturer of the certified type
Name: OPW Fuel Management Systems
Address: 6900 Santa Fe Drive
Hodgkins; IL60525
U.S.A.

Identification of the certified type

Magnetostrictive level gauge
Type: SiteSentinel Integra 100/500 (controller) / 924B (probe);
SiteSentinel Integra 100/500 (controller) / VSmart (probe sensor controller) / 7100V (probe);
SiteSentinel Integra 100/500 (controller) / XMT-SI-485 or XMT (probe);

Further characteristics see page 2 and 3

This certificate attests the conformity of above identified type (represented by the sample (s) identified in the OIML Basic Type Evaluation Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R 85, Edition 2008

This certificate relates only to the metrological and technical characteristics of the type of instrument covered by the relevant OIML Recommendation(s) identified above.

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

The conformity was established by the results of tests and examinations provided in the associated Test report: No. 6015-PT-P3024-12 that includes 34 pages, Test report: No. 6015-PT-P3003-14 that includes 29 pages and Test report: No. 6015-PT-P3004-14 that includes 29 pages.

Characteristics:

Probes	Type	924B
	Measuring principle	Magnetostrictive
	Probe's body material	Stainless steel
	Floats	Nitrophyl or stainless steel
	Length	up to 6000 mm
	Accuracy	better than ± 1 mm
	Temperature	- 40 °C to + 70 °C
	Type	7100V series
	Measuring principle	Magnetostrictive
	Probe's body material	PVDF
	Floats	Nitrophyl or stainless steel
	Length	up to 21340 mm
	Accuracy	better than ± 1 mm
	Temperature	- 40 °C to + 70 °C
	Type	XMT-SI-485 or XMT
	Measuring principle	Magnetostrictive
	Probe's body material	Stainless steel
	Floats	Stainless steel or expanded PVC or NBR
	Length	up to 7000 mm
	Accuracy	better than ± 1 mm
	Temperature	- 25 °C to + 55 °C
Controller	Type	SiteSentinel Integra 100/500
	Resolution	0,01 mm
	Temperature	+ 5 °C to 40 °C
	Software	-
Probe sensor controller	Type	V Smart
	Temperature	- 40 °C to 70 °C

Measuring system description:
The level sensor 924B is done by a shaft in stainless steel and nickel coated brass cap with nitrophyl or stainless steel floats. Body of the probe must not be electrically grounded.
The level sensor 7100V is done by a flexible shaft in PVDF with nitrophyl or stainless steel floats.
The level sensor XMT-SI-485 is done by a shaft in stainless steel, by a head in stainless steel IP68 with composite material caps, a circular connection M12 or 7/8" and fuel resistant cable, floats in Stainless Steel or in special expanded closed cell PVC or NBR
The level sensor XMT is done by a shaft in stainless steel, by a head in die cast Alluminium IP67, a a cable gland and a fuel resistant cable, a sliding tank connection and floats in Stainless Steel or in special expanded closed cell PVC or NBR
Normal cabinet dimensions of SiteSentinel Integra: height 300 mm; width 370 mm; depth 100 mm.
Normal cabinet dimensions of V Smart: height 142 mm; width 287 mm; depth 147 mm.

Český metrologický institut
-3-

The OIML Issuing Authority
Pavel Klenovský

19 December 2016