



OIML Member State
Czech Republic

OIML Certificate No.
R117/2019-A-CZ1-25.03

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority

Name: **Czech Metrology Institute**
Address: Okružní 31
638 00 Brno
Czech Republic

Person responsible: Jan Kalandra

Applicant

SAHM Gulf Industry Company
Saudi Arabia- hafar Albatin - Saudi Authority For Industril Cities (MODON)
C.R 1010777207
Saudi Arabia

Manufacturer

SAHM Gulf Industry Company
Saudi Arabia- hafar Albatin - Saudi Authority For Industril Cities (MODON)
C.R 1010777207
Saudi Arabia

Identification of the certified type *(the detailed characteristics will be defined in the additional pages)*

Fuel dispenser
type: SG 01 (B-E-EC-I); SG 02 (B-E); SG 03 (H); SG 04 (L-M)

This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R 117, Edition: 2019



This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML 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 OIML type evaluation report and test reports:

Evaluation Report: 0511-ER-F096-24

The technical documentation relating to the identified type is contained in documentation file:

0511-UL-F096-24

OIML Certificate History

Revision No.	Date	Description of the modification
	25 June 2025	Issuing of certificate

The OIML Issuing Authority

RNDr. Pavel Klenovský
Head of Certification Body

Date: 25 June 2025



Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

Measuring device description

The SG 01 (B-E-EC-I), SG 02 (B-E), SG 03 (H) and SG 04 (L-M) fuel dispensers are designed for measurement of liquid fuel volumes and are used for the refuelling of motor vehicles, small boats and small aircrafts.

SG measuring system consists measuring transducer consisting of piston PD measurement sensor and pulse transmitter, solenoid valve, electronic calculating and indicating device, keypad, sight glass (optional) and hose with dispensing nozzle. The system is intended to be used with an external submersible pump placed at the bottom of a storage tank.

Components

Measuring sensor	MTH-65
Pulser	MD-212/100/DC5/S2
Calculating / indicating device	EFSC PLUS

Basic technical and metrological data

Pattern designation	SG series
Max. flow rate Q_{\max} [L/min]	50
Min. flow rate Q_{\min} [L/min]	5
Min. measured quantity MMQ [L]	5
Accuracy class	0.5
Liquids	Gasoline, Diesel, Kerosene
Liquid temperature range [°C]	-5 to 35
Ambient temperature range [°C]	-25 to +55
Maximum pressure [MPa]	0.35
Minimum pressure [Mpa]	0.03
Environmental classes	M1, E1, H3
Measurement unit	Volume [L]
Type of display:	Electronic
Scale interval of the indication [L]	0.01
Approved software versions	2.0.2
W&M checksum (CRC)	3C03

