



OIML Member State  
Japan

OIML Certificate N°  
R117/1995-JP1-11.01  
Revision 5

## OIML CERTIFICATE OF CONFORMITY

### Issuing Authority

Name: National Metrology Institute of Japan /National Institute of  
Advanced Industrial Science and Technology (NMIJ/AIST)  
Address: AIST Tsukuba Central 3-9  
Tsukuba Ibaraki 305-8563, Japan  
Person responsible: Dr. Ryoji Chubachi, President of AIST

### Applicant

Name: Hitachi Automotive Systems Measurement, Ltd.  
Address: 3-9-27 Tsurumi Chuo, Tsurumi-ku, Yokohama City, Kanagawa,  
Japan

### Manufacturer of the certified type

Name: Hitachi Automotive Systems Measurement, Ltd.  
Address: 13 Tanyou, Kakegawa City, Shizuoka, Japan

### Identification of the certified type:

Fuel dispenser for motor vehicles, A series  
Further characteristics see page 2 to 4

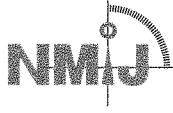
This certificate attests the conformity of the above identified type (represented by the sample or samples identified in the associated Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

**R117**  
Edition 1995  
for accuracy class 0.5

**R118**  
Edition 1995

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

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



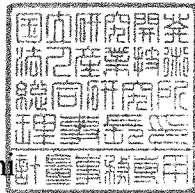
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The conformity was established by the results of tests and examinations provided in the associated Test report(s):

- N° R117/1995-JP1-2011-01;
- N° R117/1995-JP1-2011-03;
- N° R117/1995-JP1-2013-01;
- N° R117/1995-JP1-2014-01;
- N° R117/1995-JP1-2016-01;
- N° R117/1995-JP1-2017-01A;
- N° R117/1995-JP1-2017-01B.

The Issuing Authority  
NMIJ/AIST



Dr. R. Chubachi  
President of AIST  
2017-05-11

The CIML Member

Dr. Y. Miki  
2017-05-11

Characteristics: Fuel dispenser for motor vehicles, A series

Accuracy class	Maximum flowrate (Qmax)	Minimum Flowrate (Qmin)	Minimum measured Quantity (litres)	Maximum volume Indication (number of digits)	Maximum unit price (number of digits)	Maximum price-to-pay (number of digits)
<b>Low flowrate</b>						
0.5	50 L/min	3 L/min	5	6 / 7	6	6 / 7
<b>High flowrate</b>						
0.5	90 L/min	3 L/min	5	6 / 7	6	6 / 7
<b>Ultra High flowrate</b>						
0.5	120 L/min	12 L/min	20	6 / 7	6	6 / 7

Liquids: Gasoline, Diesel, Kerosene



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Comprising of:

- Meter

Manufacturer: Hitachi Automotive Systems Measurement, Ltd.  
Pattern designation: type F-1, F-2, F-3, F-4

- Gas elimination device (integral with pump)

Manufacturer: Hitachi Automotive Systems Measurement, Ltd.  
Pattern designation: EP-1,  
GPU-1 (without sightglass),  
GPU-1H (without sightglass)

- Measuring transducer

Manufacturer: Hitachi Automotive Systems Measurement, Ltd.  
Pattern designation: SPG3

- Calculator

Manufacturer: Hitachi Automotive Systems Measurement, Ltd.  
Pattern designation: LCD-YV, LCD-YV7

- Hose

Manufacturer: Hitachi Automotive Systems Measurement, Ltd.  
Pattern designation: YC16D, YG19D, YG25D, TC16D, TC19D

Manufacturer: Good Year  
Pattern designation: Flexsteel futura vaporrecovery hose 3/4”  
Flexsteel futura hose 1”

Manufacturer: GATES  
Pattern designation: blacksnake 3/4”



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- Nozzle

Manufacturer: Hitachi Automotive Systems Measurement, Ltd.  
Pattern designation: type-FF, type-FL, type-FF-VR, type-FL-VR, type-G

Manufacturer: OPW  
Pattern designation: 11-A3/4, 12VWH, 7-H

Manufacturer: TDW  
Pattern designation: 11-A3/4

Manufacturer: Elaflex  
Pattern designation: ZVA 25

- Break valve

Manufacturer: Hitachi Automotive Systems Measurement, Ltd.  
Pattern designation: TBAS-1, TBAW-1

Manufacturer: OPW  
Pattern designation: 66CAS, 66RB

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 Test Report is not permitted, although either may be reproduced in full.