

OIML Member State
The Netherlands

Number R117/2007-A-NL1-20.02
Project number 2324978
Page 1 of 2

Issuing authority
Person responsible: NMi Certin B.V.
M. Boudewijns

Applicant and
Manufacturer: Advanced Sys-tek Pvt. Ltd.
299/300, GIDC Makarpura, Vadodara
390010 State-Gujarat
India

Identification of the
An **electronic calculating and indicating device** intended to be used as a
part of a measuring system.

Certified type SmartLoad

Characteristics See page 2

This OIML Certificate is issued under scheme A

This 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):

R 117-1 (2007) "Dynamic measuring systems for liquids other than water"

Accuracy class 0,5

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation identified above. This Certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate was issued, partial quotation of the Certificate and of the associated OIML Type Evaluation Report is not permitted, although either may be reproduced in full.

Issuing Authority **NMi Certin B.V., OIML Issuing Authority NL1**
4 February 2020

Certification Board

NMi Certin B.V.
Thijssseweg 11
2629 JA Delft
The Netherlands
T +31 88 636 2332
certin@nmi.nl
www.nmi.nl

This document is issued under the provision that no liability is accepted and that the applicant shall indemnify third-party liability.

The notification of NMi Certin B.V. as Issuing Authority can be verified at www.oiml.org

This document is digitally signed and sealed. The digital signature can be verified in the blue ribbon at the top of the electronic version of this certificate.



OIML Member State
The Netherlands

Number R117/2007-A-NL1-20.02
Project number 2324978
Page 2 of 2

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

- No. NMI-2324978-01 dated 4 February 2020 that includes 78 pages.

Characteristics of the measuring instrument

In Table 1 the general characteristics of the calculating and indicating device are presented.

The calculating and indicating device can be configured for measuring up to two streams and controlling single/dual loading arm configuration with a single device. The pulse cable and the analog I/O cable should be less than 30 meters in length.

The construction of the calculating and indicating device is recorded in the Documentation folder number NMI-2324978-01-1.

Table 1 General characteristics

Accuracy class	0.5
Fulfils requirements for	Measuring systems for the loading and unloading of ships' tanks and rail and road tankers.
Intended for the measurement of	Liquids other than water
Environmental classes	M1 / E1 / H2
Ambient temperature range	-10 – +55 °C ; condensing humidity
Power supply voltage	110 – 240 V AC; 50 -60 Hz
Communication interface	Ethernet, serial communication
Analog input	2 x Analog inputs (4...20 mA). One input is dedicated for temperature while the other can be configured for pressure or base density input.
Pulse input	4 channels, 90° phase shift each
Maximum volume indication	6 digits