OIML Certificate

OIML Member State
The Netherlands

Number R76/2006-A-NL1-20.49 revision 1
Project number 3736167

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Applicant and Manufacturer	Técnicas de Electrónica y Automatismos, S.A. C/Espronceda 180 08018 Barcelona Spain
Identification of the certified type	An **Indicator** Type : SWIFT Series
Characteristics	See next page

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 Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R 76-1:2006 for accuracy class (III) or (IIII)

This Certificate relates only to the metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML International Recommendation above-identified.
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 Test Report(s) is not permitted, although either may be reproduced in full.

Issuing Authority

NMi Certin B.V., OIML Issuing Authority NL1
25 July 2025

Certification Board

NMi Certin B.V.
Thijsseweg 11
2629 JA Delft
The Netherlands
T +31 88 6362332
certin@nmi.nl
www.nmi.nl

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

- No. TR739 dated 02 June 2017 that includes 41 pages;
- 9/31705138 dated 30 October 2019 that includes 12 pages;
- P02004 dated 21 June 2017 that includes 14 pages;
- No. NMi-2485593-01 dated 10 September 2020 that includes 7 pages;
- No. NMi-2485593-02 dated 10 September 2020 that includes 7 pages;
- No. NMi-3736167-01 dated 4 July 2025 that includes 18 pages;
- No. NMi-3736167-02 dated 4 July 2025 that includes 14 pages.

Characteristics of the indicator:

Configuration	Analog load cells
Accuracy class	(III) or (IIII)
Weighing range	Single interval
Maximum number of scale intervals	$n \leq 6000$
Load cell excitation voltage	5 V DC
Minimum signal input voltage	U_{min} = -25 mV
Minimum input voltage per verification scale interval	0,5 µV
Minimum load cell resistance	43 Ω
Maximum load cell resistance	1000 Ω
Fraction of the maximum permissible error	0,5
Load cell connection	6-wire with sense technology, may be configured as 4-wire
Maximum value of the cable length per cross wire section between the indicator and the junction box or load cells	2232 m/mm^2 In case sense technology is not used the load cells are connected directly without junction box or extension cable
Temperature range	-10 °C / +40 °C
Power supply voltage	10 - 28 V DC
Software identification	Version number: 1.xxxx. (x= 0…9)

Software:

- The identification number will be displayed at start-up (for SWIFT RAIL and SWIFT PANEL);
- The identification number can be checked via serial port using additional software tools (all models);
- The indicator has embedded software.

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Revision History

This revision replaces the previous version.

Revision	Date	Change(s)
0	2020-09-11	Initial issue.
1	2025-07-25	Adding SWIFT V type