



OIML Certificate

OIML Member State
The Netherlands

Number R76/2006-A-NL1-21.04 Revision 1
Project number 2583055
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Issuing authority

NMi Certin B.V.
Person responsible: M.Ph.D. Schmidt

Applicant and
Manufacturer

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Identification of the
certified type

An **Indicator/terminal**
Type : BM400, BM500

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 - Edition 2006 for accuracy class $\textcircled{\text{III}}$ or $\textcircled{\text{III}}$

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
27 June 2023

Certification Board

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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.



The conformity was established by the results of tests and examinations provided in the associated OIML Type Evaluation Reports:

- No. NMI-2332688-01 dated 15 January 2021 that includes 52 pages;
- No. NMI-2332688-02 dated 15 January 2021 that includes 14 pages;
- No. NMI-2332688-03 dated 15 January 2021 that includes 18 pages;
- No. NMI-2332688-04 dated 15 January 2021 that includes 15 pages;
- No. NMI-14200459-01 dated 15 April 2015 that includes 16 pages;
- No. NMI-2583055-01 dated 27 June 2023 that includes 29 pages;
- No. NMI-2583055-02 dated 27 June 2023 that includes 20 pages;
- No. NMI-2583055-03 dated 27 June 2023 that includes 13 pages.



Characteristics of the indicator or terminal:

Configuration	Analog load cells		Digital load cells or weighing module
Accuracy class	OIML R 76		
	OIML R 107		
Weighing ranges	0,2 or 0,5 or 1 or 2		
	Single interval, multi-interval		
Maximum number of scale intervals (one weighing range)	n ≤ 6000		-
Maximum number of scale intervals (multi-interval, per partial weighing range)	n ≤ 3000		-
Maximum number of partial weighing ranges	2		-
Load cell excitation voltage	5 V DC		-
Load cell power supply voltage	-		5 V DC
Minimum signal input voltage	U _{min} = 0,05 mV		-
Minimum input voltage per verification scale interval	0,3 μV (A/D board version 1)	0,54 μV (A/D board version 2)	-
Minimum load cell resistance	43 Ω		-
Maximum load cell resistance	1149 Ω		-
Fraction of the maximum permissible error	0,5		0
Load cell interface	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	753,8 m/mm ²	286,2 m/mm ²	-
	The load cells are connected directly without junction box or extension cable, if sense technology is not used		
Maximum number of load platforms	2		8

Climatic environment	temperature range	0 °C / +40 °C
	humidity	Non-condensing
	intended location	Closed
Electromagnetic environment class		E2
Power supply voltage		24 V DC supplied by 100 – 240 V 50/60 Hz AC/DC plug-in power supply

Software:

Software identification	ETVIS		ETPOS	
	Version number	Checksum	Version number	Checksum
Linux	ETMETRO v1.0	0xD619	ETBAL v1.0	0x76b2
Windows	-	-		0x2fc2

- The identification number of ETVIS software will be displayed in the general settings menu. This menu is shown after pressing the key sequence  followed by .
- The identification number of ETPOS software will be displayed continuously in the upper line of the operator screen.

Revision History

This revision replaces the previous version.

Revision	Date	Change(s)
0	15 January 2021	Initial issue
1	27 June 2023	Addition of a new A/D board version and new housing (Tower). Load cell cable length detailed. New software added.