



# OIML Certificate

**OIML Member State**  
The Netherlands

Number R76/2006-A-NL1-22.03 revision 1  
Project number 3749298  
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Issuing authority

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

Applicant and  
Manufacturer

Mettler Toledo GmbH  
Im Langacher 44  
8606 Greifensee  
Switzerland

Identification of the  
certified type

An **Indicator / terminal**  
Type : IND700

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 **II** or **III** or **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.

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Issuing Authority

**NMi Certin B.V., OIML Issuing Authority NL1**  
9 February 2024

Certification Board

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

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The notification of NMi Certin B.V. as Issuing Authority can be verified at [www.oiml.org](http://www.oiml.org)

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

- No. NMI-2657900-01 dated 12 April 2022 that includes 41 pages;
- No. NMI-2657900-02 dated 12 April 2022 that includes 20 pages.

## Characteristics of the indicator / terminal:

| Configuration   | Analog load cells   | Digital load cells or weighing module                          |
|---|---|--|
| Accuracy class  | III or IIII   | II or III or IIII  |
| Weighing ranges   | Single interval<br>Multi-interval<br>Multiple range       | Single interval<br>Multi-interval<br>Multiple range            |
| Maximum number of scale intervals (one weighing range)                            | $n \leq 6000$   | $n \leq 100000$  |
| Maximum number of scale intervals for multi-interval (per partial weighing range) | $n \leq 6000$   | $n \leq 100000$  |
| Maximum number of partial weighing ranges   | 3   | 3  |
| Maximum number of scale intervals for multiple range (per weighing range)         | $n \leq 6000$   | $n \leq 100000$  |
| Maximum number of weighing ranges   | 3   | 3  |
| Load cell excitation voltage  | 10 V DC   | -  |
| Load cell power supply voltage  | -   | 12 V DC provided by IND700 or 24 V DC by external power supply |
| Minimum signal input voltage  | $U_{\min} = 0 \text{ mV}$                                 | -  |
| Minimum input voltage per verification scale interval                             | 0,5 $\mu\text{V}$   | -  |
| Minimum load cell resistance  | 43 $\Omega$   | -  |
| Maximum load cell resistance  | 3300 $\Omega$   | -  |
| Fraction of the maximum permissible error   | 0,5   | 0  |
| Load cell interface   | 6-wire with sense technology, may be configured as 4-wire | -  |




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|   |   |   |
|---|---|---|
| Maximum value of the cable length per cross wire section between the indicator and the junction box or load cells | 153,9 m/mm <sup>2</sup><br>In case sense technology is not used the load cells are connected directly without junction box or extension cable | - |
| Maximum number of load platforms  | 2   | 2 |
| Temperature range   | -10 °C / +40 °C   |   |
| Power supply voltage  | 100 - 240 V AC 50/60 Hz   |   |

## Software:

- The identification number will be displayed by pressing the metrology status icon  at the top of the display area of the touch display;
- The indicator/terminal has loadable software and runs on a Windows operating system;
- See below table for details:

| Software Module        |               | Version                                    | Remarks  |
|------------------------|---------------|--|--|
| Boot Service           | Version       | V4.y.xx or 4.y.xx<br>V5.yy.xxx or 5.yy.xxx | The letters x and y are not relevant for legal metrology and can be represented by numbers or letters. |
|                        | Thumbprint ID | B827409295                                 |  |
| Scale Server           |               | V4.y.xx<br>5.yy.xxx                        |  |
| Analog scale module    |               | V1.x.yy                                    |  |
| SICSpro module         |               | V1.x.yy                                    |  |
| Scale module POWERCELL |               | V4.x.yy                                    |  |

## Revision History

This revision replaces the previous version.

| Revision | Date       | Change(s)   |
|----------|------------|---|
| 0        | 2022-04-12 | Initial issue.  |
| 1        | 2024-02-09 | Adding new Boot Service and Scale Server version. Correction of the software version number format. |