OIML Certificate

Number R76/2006-A-NL1-21.38
Project number 2556428

OIML Member State
The Netherlands

Issuing authority	NMi Certin B.V. Person responsible: M.Ph.D. Schmidt
Applicant and Manufacturer	Mettler-Toledo (Albstadt) GmbH Unter dem Malesfelsen 34 D-72458 Albstadt Germany
Identification of the certified type	An **Analog data processing device** Type : Digicell / PDC-SG-Ex1
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 (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
9 September 2021

Certification Board

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

- No. R76/2006-NL1-10.25 dated 18 November 2010 that includes 49 pages;
- No. NMi-13200233-01 dated 24 October 2013 that includes 19 pages;
- No. NMi-1900621-01 dated 24 May 2017 that includes 31 pages;
- No. NMi-2477319-01 dated 23 October 2020 that includes 21 pages.

Characteristics of the non-automatic weighing instrument:

Connection (Intrinsic Safety Barrier)	Without ISB	With ISB	
Accuracy class	(III) or (IIII)		
Maximum number of verification scale intervals	10000	6000	
Load cell excitation voltage	3,3 V DC	1,58 VDC	2,6 V DC
Minimum input voltage per verification scale interval	0,26 µV		
Minimum load cell resistance	80 Ω	87 Ω	350 Ω
Maximum load cell resistance	3000 Ω		
Temperature range	-10 °C / +40 °C	+5 °C / +40 °C	
Fraction of the maximum permissible error	0,5		
Maximum value of the cable length per cross wire section (6-wire system)	4729 m/mm^2		
Weighing ranges	Single interval Multi-interval Multiple-range		
Maximum number of partial weighing ranges	3		
Power supply voltage	5 V DC For PDC-SG-Ex1: 4,7 V DC to 12,6 V DC		

Software identification		
Rainbow Core	Rainbow Weighing Package	Rainbow Signal Processing
RB or rb	WP or wp	SP or sp or DSP or dsp
1.9.7 to 2.0.6 (same version)		1.70.x
2.0.7 to 2.1.6	2.0.7 to 2.1.6	1.70.x
2.1.7 to 2.3.6	2.1.7 to 2.2.6	1.70.x
For Rainbow core versions 2.3.7 and higher the Rainbow Core is legally not relevant.	2.2.x	1.70.x
		2.0.x
	x = 0 .. 99	