OIML Member State Denmark	**OIML Certificate No.** **R76/2006-A-DK2-2019.07**

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority

Name: **FORCE Certification A/S**
Address: Park Allé 345, 2605 Brøndby, Denmark
Person responsible: Leif Madsen

Applicant

Name: **PENKO Engineering B.V.**
Address: Schutterweg 35, NL 6718XC, Ede
THE NETHERLANDs

Manufacturer **PENKO Engineering B.V.**

Identification of the certified type *(the detailed characteristics will be defined in the additional pages)*

CM PRO

Designation of the module *(if applicable)*

Non-automatic electronic weighing indicator

This OIML 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):

OIML R 76-1, Edition (year): 2006

For accuracy class (if applicable**): III or IIII**

OIML Certificate No.
R76/2006-A-DK2-2019.07

This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

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

Type examination report: No. 118-23264.10, dated 29 May 2019, that includes 76 pages

Type evaluation report: No. 118-23264.90, dated 17 June 2019, that includes 3 pages

The technical documentation relating to the identified type is contained in documentation files

No. 118-23264

OIML Certificate History

Revision No.	Date	Description of the modification
First issuance	07 August 2019	-

Identification, signature and stamp
The OIML Issuing Authority
FORCE Certification A/S

Date: 07 August 2019

Jens Hovgård Jensen
2019-08-07

Digitally signed by Jens Hovgård Jensen
jhje@force.dk
Certification Manager

Jens Hovgård Jensen
Certification Manager

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

Descriptive annex

Characteristics

Type:	CM PRO
Accuracy class:	III and IIII
Weighing range:	Single-interval, multi-interval (up to 3 intervals), multi-range (up to 3 ranges)
Maximum capacity (Max):	$n_i \times e_i$
Verification scale interval (e_i =):	Max_i/n_i
Maximum number of Verification Scale Intervals (n_i):	≤ 10000 (class III), ≤ 1000 (class IIII)
Maximum subtractive tare effect:	-Max
Fractional factor:	p'i = 0.5
Minimum input voltage per VSI:	0.4 μV
Excitation voltage:	5 VDC
Circuit for remote sense:	active (see below)
Minimum input impedance:	43 Ohm
Maximum input impedance:	1200 Ohm
Mains power supply:	230 VAC, 50/60 Hz.
Operational temperature:	-10 °C to +40 °C
Maximum 6-wire cable length between indicator and junction box:	1534 m/mm^2

Software

The legally relevant software is called 'Welmec library', and the approved version is: 1.0.0.17 having CRC 00E70600.
The software version is displayed in the main menu.

Interfaces

- RS232/RS485
- Ethernet

Devices

- Self-test function
- Initial zero setting device (≤ 20% of Max)
- Semi-automatic zero setting device (≤ 4% of Max)
- Zero tracking device (≤ 4% of Max)
- Semi-automatic subtractive tare device
- Preset subtractive tare device
- Extended resolution
- Data storage device
- Printing device
- Gravity compensation device
- Real time clock
- Stable equilibrium, Zero, Net and active range indicators.