
 DANAK PROD Reg.no. 7026	FORCE Certification 
OIML Member State Denmark		OIML Certificate No. R76/2006-A-DK2-25.03
OIML CERTIFICATE ISSUED UNDER SCHEME A		
OIML Issuing Authority Name: FORCE Certification A/S Address: Park Allé 345, 2605 Brøndby, Denmark Person responsible: Per Rafn Crety		
Applicant Name: Flintec UK Ltd. Address: Caxton House Caxton Place, Pentwyn, Cardiff CF23 8HG United Kingdom		
Manufacturer Flintec Transducers Pvt Ltd. Katunayake, Sri Lanka		
Identification of the certified type <i>(the detailed characteristics will be defined in the additional pages)</i> EM100-G		
Designation of the module <i>(if applicable)</i> Non-automatic weighing instrument Analog data processing device		
<p>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):</p> <p>OIML R 76-1, Edition (year): 2006</p> <p>For accuracy class (if applicable): III and IIII</p>		

<div>OIML Certificate No. R76/2006-A-DK2-25.03</div>		
<p>This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.</p> <p>This OIML Certificate does not bestow any form of legal international approval.</p>		
<p>The conformity was established by the results of tests and examinations provided in the associated OIML reports:</p> <p>Type examination report: No. DANAK-1918640, dated 6 December 2017, that includes 76 pages</p> <p>Type evaluation report: No. 124-34253.90.50, dated 22 April 2025, that includes 17 pages</p>		
<p>The technical documentation relating to the identified type is contained in documentation file: 124-34253</p>		
OIML Certificate History		
Revision No.	Date	Description of the modification
Initial version	22 April 2025	-
<div>Identification, signature and stamp</div> <div>The OIML Issuing Authority</div> <div>FORCE Certification A/S</div> <div>Date: 22 April 2025</div> <div>Jens Hovgård Jensen</div> <div>Certification Manager</div>		
<p><i>Important note:</i> 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.</p>		

Descriptive annex

Characteristics

Type:	EM100-G
Accuracy class	III or IIII
Weighing range:	Single-interval, multi-range or multi-interval
Maximum number of verification scale intervals (n_i):	$\leq 3 \times 10000$ (class III) or $\leq 3 \times 1000$ (class IIII)
Maximum tare effect:	Max
Fraction factor (p_i)	0.5
Minimum input voltage per VSI:	0.3 μ V
Excitation voltage:	5 VDC
Circuit for remote sense:	when using 6-wire connection
Minimum input impedance:	58 ohm
Maximum input impedance:	1100 ohm
Temperature range:	-15 °C to +55 °C
Power supply:	9-32 VDC - not to be supplied from DC mains.

Software

The software version may be viewed by sending “FFV” to the unit, which responds with ‘Vxx.yy’ or ‘V:xx.yy.zz’.

where xx denotes the legally relevant code, yy denotes the major non-legally relevant code, and zz denotes the minor non-legally relevant code.

The tested software version is: ‘V01.01’.

The software changes from V01.01 to V02.00.00 have been examined.

Devices

- Initial zero-setting
- Semi-automatic zero-setting
- Zero tracking
- Semi-automatic subtractive tare
- Preset tare
- Automatic tare
- Event counter (TAC)

Peripheral interfaces

- RS485
- RS232
- CANopen
- 2 logic level inputs
- 2 open-drain outputs

The peripheral interfaces are characterised “Protective interfaces” according to paragraph 8.4 in the Directive.