



OIML Member State  
Denmark

OIML Certificate No.  
R76/2006-A-DK2-2020.10

**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: **Cardinal Scale Manufacturing Company**  
Address: 102 East Daugherty Street,  
Webb City, Missouri 64870  
USA

**Manufacturer Cardinal Scale Manufacturing Company**

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

**SmartCAN**

**Designation of the module** (*if applicable*)

**Analog data processing deice**

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**

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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: 119-35654.10, dated 06 May 2020, that includes 65 pages

Type evaluation report: No. 119-35654.90.20 dated 02 July 2020, that includes 21 pages

The technical documentation relating to the identified type is contained in documentation file:  
119-35654.10

**OIML Certificate History**

<b>Revision No.</b>	<b>Date</b>	<b>Description of the modification</b>
Initial version	07 July 2020	-

Identification, signature and stamp

**The OIML Issuing Authority**

FORCE Certification A/S

Date: 07 July 2020

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:	SmartCAN
Accuracy class:	III and IIII
Weighing range:	Single-interval
Maximum number of Verification	
Scale Intervals ( $n_i$ ):	$\leq 6000$ (class III), $\leq 1000$ (class IIII)
Fractional factor:	$p_i = 0.5$
Minimum input voltage per VSI:	$0.5 \mu\text{V}$
Number of load cell input channels:	4 or 10
Excitation voltage:	10 VDC nominal
Analogue range:	1 to 30 mV
Circuit for remote sense:	active
Minimum input impedance:	350 ohm
Maximum input impedance:	1100 ohm
Mains power supply:	100 to 240 VAC (50/60 Hz) or 12-24 VDC
Operational temperature:	$-10^\circ\text{C}$ to $+40^\circ\text{C}$

### Software

The software version of the SmartCAN is displayed during the power up sequence of the digital terminal to which it is connected.

The software version is built in the form of x.y.z where x designates the legal revision number and y and z is not under legal control.

The released version is 1.y.z

### Devices

None

### Interfaces

- CAN bus for connection to a digital terminal.  
Several SmartCANs can use the same CAN bus for connection to a digital terminal.