NMO

Member State of OIML
United Kingdom of Great Britain
and Northern Ireland

OIML Certificate No
R76/2006-GB1-17.14

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **NMO**

Person responsible: **Mannie Panesar – Head of Technical Services**

Applicant: **CAS Corporation**
#262, Geurugogae-ro
Gwangjeok-myeon
Yangju-si
Gyeonggi-do
Republic of Korea

Manufacturer: **The applicant**

Identification of the certified pattern: **Dolphin Series**

This certificate attests the conformity of the above-mentioned pattern (represented by the samples identified in the associated test report) with the requirements of the following Recommendation of the International Organisation of Legal Metrology (OIML):

OIML R76 - Edition 2006(E) for accuracy class: III

This certificate relates only to the metrological and technical characteristics of the pattern of the instrument concerned, as covered by the relevant OIML International Recommendation.

This certificate does not bestow any form of legal international approval.

Important note: Apart from the mention of the certificates reference number and the name of the OIML Member State in which the certificate was issued, partial quotation of the certificate or of the associated test report is not permitted, though they may be reproduced in full.

Issue Date: **10 August 2017**

G Stones
Technical Manager
For and on behalf of the Head of Technical Services

UKAS PRODUCT CERTIFICATION
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NMO is part of the Regulatory Delivery directorate within the Department for Business, Energy & Industrial Strategy

The conformity was established by testing and examinations described in the associated Evaluation Report P02162-2 which includes 14 pages.

Characteristics of the instrument:

The Dolphin Series is a family of Class III, mains or battery-operated, self-indicating, dual-interval, non-automatic weighing instruments. It comprises the EB, DBII and DB-1H models and their variants (Figures 1 to 4), using the One-Module V4.

The instrument may be used for direct sales to the public.

Metrological characteristics

Model	EB / DBII / DB-1H with BCO Load Cell	
Max (kg)	30/60 kg	60/150 kg
Min (g)	200 g	400 g
e (g)	10/20 g	20/50 g
T ≤ (kg)	-29.99 kg	-59.98 kg

Model	DBII with BCA Load Cell		
Max (kg)	3/6	6/15	15/30
Min (g)	20	40	100
e (g)	1/2	2/5	5/10
T ≤ (kg)	-2.999	-5.998	-14.995

Construction:

- Steel construction
- Operator's keypad
- Stainless steel load receptor
- Level indicator
- Operator and optional customer displays (may be pole-mounted)

Devices:

- Initial zero setting device (≤ 20% of Max)
- Automatic zero setting device (≤ 4% of Max)
- Semi-automatic zero setting device (≤ 4% of Max)
- Zero tracking device (≤ 4% of Max)
- Zero indicator
- Net indicator
- Stable weight indicator
- Semi-automatic subtractive tare balancing device
- Printing
- Gravity compensation
- Check weighing (DB-II Model)
- Hold function for weighing unstable samples (DB-II Model)
- Processing of non-weighed items (DB-II Model)
- Price-computing (weighed and non-weighed items) (DB-II Model)
- Totalisation (when connected to a printer)
- Price Clear and Tare Clear functions
- Piece counting (DB-II Model)
- Percentage weighing

Load cell:

The instrument is fitted with CAS load cell model BCO or BCA (for DBII only), E_{max} = Max (+ dead load).

Technical data:

Model	EB	DBII	DB-1H
Capacities	All	All	All
Display	LCD	LCD/LED	VFD
Voltage	12 VDC *	12 VDC *	230VAC
Battery	Integrated rechargeable 6V 3.6Ah	Integrated rechargeable 6V 3.6Ah	No

*The instruments operate directly on a 230 V AC supply or via a remote power adaptor (12 V DC), or directly on the integrated battery or set of batteries. Any compatible CE-marked mains adaptor may be used.

The temperature range for the instruments is -10 °C / +40 °C.

Software:

The software identification shall be V4.xx.x, with xx.x reflecting non-legally relevant changes. This information is displayed at power up.

Access to the legally relevant parameters and download of software via the RS232 communication port is only possible by accessing the calibration switch on the main board. Access to this calibration switch is prevented by sealing the enclosure (Sealing section).

Model variants and designation:

Model	Load Cell Type	Display	Variant designation	Option	Remarks
EB	BCO	LCD	EB	RS232	
			EB-L		Larger weighing platform
DB-1H		VFD	DB-1H PLUS	RS232	Printing mode Weighing unstable samples mode
DBII		LCD	DBII-C	RS232	
		LED	DBII-E		
DBII	BCA	LCD	DBII-C	RS232	
		LED	DBII-E		

Interfaces

The instrument may have the following interface types:

- RS232

Sealing:

Access to the electronics, load cell and calibration switch is prevented by sealing the enclosure using a wire-and-seal or tamper-evident sticker.

Alternative manufacturers:

CAS (Zhejiang) Electronics Co., Ltd
99# Changjiang Road
Jiashan County, Zhejiang Province
China

CAS Elektronik San. Tic. A.S.
Yukari Dudulu, Bostanci Cad. Mevdudi Sokak No: 34
Umraniye-Istanbul / Turkey

CAS Deutschland AG
Brackestraße 1
38159 Vechelde
Germany

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R76/2006-GB1-17.14	10 August 2017	Certificate first issued.
-	-	No revisions have been issued.