National Measurement Office Certification

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

OIML Certificate No
R76/1992-GB1-11.02
Revision 1

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

Person responsible: **Paul Dixon – Director, Product Certification**

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

Manufacturer: **The applicant**

Identification of the certified pattern: **PDI and PDI-S**

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 R 76 - Edition 1992(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: **21 October 2014**
Reference No: **TS1201/0020**

Signatory: **G Stones**
for **Chief Executive**

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NMO is an Executive Agency of the Department for Business, Innovation and Skills

UKAS PRODUCT CERTIFICATION 0135

National Measurement Office

The conformity was established by tests described in the associated pattern evaluation report P01410 which includes 13 pages.

Characteristics of the instrument:

This instrument, designated the PDI, utilises the PDI digital indicating device connected to a weighing platform to form a single or dual-interval, Class III, weighing instrument.

The instrument is self-indicating and mains-powered, and may be used for direct sales to the public.

Construction:

- Plastic enclosure
- Pole-mounted LCD display
- 4 keys (Zero, Tare, function, on/off)
- Enunciators (Zero, Stability of equilibrium, Net, Communication)

Devices:

- Initial zero setting device on power up
- Semi-automatic zero setting
- Zero tracking (optional)
- Semi-automatic subtractive tare balancing
- Zero-indicator
- Indication of stable equilibrium
- Net indicator
- Gravity compensation
- Printing

Technical data:

Power supply	12 Vdc, 1.25 A via mains adaptor
Maximum number of scale intervals	10,000 (Class III), single or dual interval
Load cell excitation voltage	5 Vdc
Minimum load cell impedance	43.75 Ω
Maximum load cell impedance	1000 Ω
Minimum input voltage per verification scale interval	0.5 μV
Measuring range minimum voltage	0 mV
Measuring range maximum voltage	16 mV
Fraction of maximum permissible error	Pind = 0.5
Operating temperature range	- 10 °C to + 40 °C
Load cell cable (from indicator to load cell junction box) - Maximum length	2 m (4-wire configuration) 22 m/mm^2 (6-wire configuration)

Interfaces:

- RS232/485
- USB (optional)

Seals:

The calibration and setup parameters can only be accessed via the sealed switch located on the main board.

Load cell:

Any compatible load cell(s) may be used providing the following conditions are met:

- There is a respective OIML Certificate of Conformity (R60) issued for the load cell.
- The certificate contains the load cell types and the necessary load cell data required for the manufacturer's declaration of compatibility of modules, and any particular installation requirements. A load cell marked NH is allowed only if humidity testing to R76 has been conducted on this load cell.
- The compatibility of the load cells and indicator is established by the manufacturer by means of the compatibility of modules calculation at the time of verification.
- The load cell transmission conforms to a standard type.

Alternatively, the instruments may have the following specifications:

Designation	Max (kg)	e = (kg)	Load cell type (CAS)	Load cell Emax	Number of load cell	Indicator type
PDS-II-15D	15	0.005	BCA-30L	30	1	PDI
PDS-II-15M	15	0.005	BCA-30L	30	1	PDI
PDS-6S	6	0.005	BCL-20L	20	1	PDI-S
PDS-15S	15	0.005	BCL-30L	30	1	PDI-S
PDS-6E	6	0.005	BCL-20L	20	1	PDI
PDS-15E	15	0.005	BCL-30L	30	1	PDI
PDS-15P	15	0.005	BCL-20L	20	2	PDI
PDS-30P	30	0.010	BCL-30L	30	2	PDI

Alternatives:

Having the indicator fitted within a pole-mounted stainless steel enclosure, and designated the PDI-S.

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R76/1992-GB1-11.02	05 September 2011	Type approval first issued
R76/1992-GB1-11.02 revision 1	21 October 2014	Address on the front page changed from: 19 Ganap-Ri Gwangjuk-Myoun Yangji-Si Gyeonggi-Do 482-841 Republic of Korea PDI-S model added. Alternative configurations added.