

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

OIML Certificate No
R76/2006-GB1-11.02
Revision 2

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

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

Applicant: **Dini Argeo S.r.l.
Via della Fisica 20
41042 Spezzano di Fiorano
Modena
Italy**

Manufacturer: **The applicant**

Identification of the certified pattern: **3590E, CPWE, DFW and DGT 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 R 76 - Edition 2006(E) for accuracy class: [III] and [IIII]

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: 09 May 2014
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Signatory: G Stones

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The conformity was established by tests described in the associated:

NMO Test Reports SN: 1193, 1228, 1229, 1230, 1231, 1232 and 1282.

Pattern Evaluation Checklist P00251/R76.

CIBE Metrological Laboratory (Italy) Test Reports: 0306, 0501, 0905 0906, 0907 and 1012.

This revision replaces earlier versions of the certificate.

Characteristics of the instrument:

Main features:

The table below details the indicating devices which are certified as weight indicators designed to be connected to a load receptor to form a Class III and IIII, Non-Automatic Weighing Instrument.

3590E Series	CPWE Series	DFW Series	DGT Series
3590EXP internal PSU	CPWET	DFWK06XP & DFW06XP	DGT1, DGT1S, DGT1SAN, DGT100, DGT1AN, DGT4, DGT4AN & DGT4PB
3590EXT	CPWE	DFWK06XT & DFW06XT	DGT60BC, DGT60AN, DGT60R & DGT60PB
3590EGT	CPWETF	DFWR06XP	DGT20, DGT20AN & DGT20PB
3590EQ	CPW	DFWDXT	DGTPK, DGTPKAN, DGTPKPB, DGTPKF & DGTPKFAN
		DFWLID	DGTQ DGTQAN, DGTQPB, DGTQF & DGTQFAN
		DFWL, DFWLI & DFWLKI	DGTP, DGTPAN & DGTPPB

The above named indicators have the following features:

- ABS plastic or stainless steel enclosure
- LCD or LED display
- Functions keys
- Connections and ports located at the back

Devices:

- Initial zero-setting ($\leq 20\%$ of Max)
- Semi-automatic zero setting device ($\leq 4\%$ of Max)
- Zero tracking device ($\leq 4\%$ of Max)
- Zero indicator
- indication of stable equilibrium
- Display checking at power-up
- Acting upon significant faults
- Multiple range scale, with a maximum of three partial weighing ranges
- Multi-interval scale, with a maximum of three partial weighing ranges
- Semi-automatic subtractive tare weighing

Technical characteristics:

Power supply	3590 Series: 6-12 V DC External/Internal 110-240 V AC 50/60 Hz
	CPWE Series: 8-36 V DC
	DGT Series: 12-24 V DC External/Internal 110-240 V AC 50/60 Hz
	DFW Series: 12 V DC External/Internal 110-240 V AC 50/60 Hz
Maximum number of scale intervals	10 000
Load cell excitation voltage	5 V DC
Minimum load cell impedance	20 Ω
Maximum load cell impedance	10 kΩ
Minimum input voltage per verification scale interval	0.3 μV/div
Measuring range minimum voltage	0.3 mV
Measuring range maximum voltage	30 mV
Fraction of maximum permissible error	$P_{ind} = 0.5$ ($P_{ind} = 0$ for digital load cells) ($P_{ind} = 0$ for analogues load cells with junction box)
Operating temperature range	-10 / + 40 °C
Load cell connection	4 or 6 wire
Maximum Load cell cable length (junction box to indicator)	200 m/mm ²

Technical data:

The indicators can operate directly on a 230 V AC supply or via an internal power supply (6 V DC). Any compatible CE-marked mains adaptor may be used.

Interfaces:

The instrument may have the following interface type:

- 4 or 6-wire load cell connection
- DC voltage input
- RS-232
- RS-485
- Control inputs/outputs
- USB
- Ethernet
- Bluetooth
- RF (Radio frequency)
- WiFi

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.

Certificate History

Issue №	Date	Description
R76/2006-GB1-11.02	22 November 2011	Type approval first issued
R76/2006-GB1-11.02 Revision 1	21 September 2012	New indicators added to certificate DFW and DGT Series.
R76/2006-GB1-11.02 Revision 2	DD MMMM 2014	New indicators added to certificate 3590EQ, DGT100, DGT1S. & DGT1SAN Test report SN: 1282 added. Technical characteristics table amended to correct typo.