



National
Measurement &
Regulation Office



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

OIML Certificate No
R76/2006-GB1-15.03

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement and Regulation Office**

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

Applicant: **Applied Weighing International Limited
5 Southview Park
Caversham
Reading
Berkshire
RG4 5AF
United Kingdom**

Manufacturer: **The applicant**

Identification of the
certified pattern: **260/290 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.

Issue Date: **20 May 2015**
Reference No: **TS1201/0113**

G Stones
Technical Manager - Certification Services
For and on behalf of the Chief Executive



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The NMRO is an Executive Agency of the Department for Business Innovation and Skills

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.

The conformity was established by tests described in the associated pattern evaluation report P01440 which includes 14 pages.

Characteristics of the instrument:

Characteristics:

This family of indicating devices, designated the 260/290 Series, is designed to be used as part of a single-interval, Class III or IIII, non-automatic weighing instrument. The family comprises the Target 260S, Target 260D, Status 290P and Status 290S models. The indicators are self-indicating and mains or DC-powered.

The instruments are not designed for direct sales to the public.

Main features:

- Plastic enclosure (wall-mounted models Target 260S, Target 260D and Status 290P)
- Stainless steel enclosure (desktop model Status 290S)
- External connectors (Target 260D model)
- Internal connectors via glands (Status 290P, Status 290S and Target 260S models)
- LED display
- 4 function keys

Devices:

- Semi-automatic zero setting ($\leq 4\%$ Max)
- Semi-automatic subtractive tare weighing
- Gross/Net indication
- Zero-indicator
- Indication of stable equilibrium
- Net indicator
- Printing

Interfaces:

- Load cell connection
- Analogue output with RS232
- CAN Bus
- Profibus DP
- Ethernet TCP/IP
- Ethernet IP
- Profinet
- EtherCAT
- Relay output (3)
- Digital input (2)

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.

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- 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.

Technical data (indicators):

Power supply	100-240 VAC, 50/60 Hz, or 10-32 VDC
Maximum number of scale intervals	10,000 (Class III) 1,000 (Class IIII)
Maximum Tare value	- Max
Load cell excitation voltage	5 VDC
Minimum load cell impedance	44 Ω
Maximum load cell impedance	1100 Ω
Minimum input voltage per verification scale interval	1.0 μV
Measuring range minimum voltage	-39 mV
Measuring range maximum voltage	39 mV
Fraction of maximum permissible error	Pi = 0.5
Operating temperature range	- 10 °C to + 50 °C
Load cell cable (from indicator to load cell junction box) - Maximum length	1,790 m/mm ² (6-wire configuration)

Software:

The software is held in firmware on the circuit board and has the identification number V3.xx (Target 260S and Target 260D) or V4.xx (Status 290P and Status 290S), with xx reflecting minor non-legally relevant changes. The software version number is displayed at power-up.

Download of firmware is only possible via the sealed USB port.

Access to the legally relevant parameters is password-protected, a non-editable counter designated Calibration Number increments every time a legally relevant parameter is changed. The value of the counter is displayed at power up.

Sealing:

Access to the electronics and USB port shall be secured by a tamper-evident label.

The load cell connection (and junction box when applicable) shall be secured by a wire and seal solution or tamper-evident label.

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R76/2006-GB1-15.03	20 May 2015	Certificate first issued
-	-	No revisions have been issued.