

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

OIML Certificate No
R76/2006-GB1-11.03

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

Person responsible: **Paul Dixon – Product Certification Manager**

Applicant: **Marel Limited
Wyncolls Road
Severals Industrial Park
Colchester
CO4 9HW
United Kingdom**

Manufacturer: **The applicant**

Identification of the certified pattern: **9010**

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: 16 December 2011
Reference No: TS1201/0033


Signatory: P R Dixon

The conformity was established by tests described in the associated pattern evaluation report P00759 which includes 13 pages.

Characteristics of the instrument:

Main features:

The indicating device is designated the 9010 weight indicator and is designed to be connected to a load receptor to form a Class III and IIII, non-automatic weighing instrument.

Features:

- Stainless steel enclosure
- LCD touch screen
- Optional labeller

Devices:

- Initial zero setting device on power up
- Zero tracking
- Preset tare
- Stability of equilibrium
- Net indicator
- Printing
- Price-computing
- PLU (Conformat)
- Average weight operation

Technical characteristics:

Power supply	110/230 Vac – 50/60 Hz
Maximum number of scale intervals	3,000 (Class III) 1,000 (Class IIII)
Load cell excitation voltage	14 Vdc
Minimum load cell impedance	350 Ω
Maximum load cell impedance	1100 Ω
Minimum input voltage per verification scale interval	1.87 μ V
Measuring range minimum voltage	0 mV
Measuring range maximum voltage	40 mV
Fraction of maximum permissible error	$P_{ind} = 0.5$
Operating temperature range	0 °C to + 35 °C
Load cell cable (from indicator to load cell junction box) - Maximum length	2 m (6-wire configuration)

Interfaces:

The instrument may have the following interface type:

- Ethernet (labeller and communication)
- USB (dongle only)

Sealings:

The calibration and setup parameters can only be accessed via a Marel dongle and are protected by an incrementing counter.

The load cell connection is protected via physical sealing.

Load cell:

The following configurations may be used:

Max	6 kg	1.5/4.5 kg	60 kg	30/60 kg
Min	40 g	20 g	400 g	200 g
e =	2 g	1/2 g	20 g	10/20 g
Load cell type	Flintec PC30		Teda Huntleigh 1510	
E _{max}	15 kg		100 kg	

Alternatively, 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.

Software:

- The legally relevant software is held in firmware on the circuit board, and has the identification version number 1.1.

Certificate History

ISSUE N ^o .	DATE	DESCRIPTION
R76 2006-GB1-11.03	16 November 2011	Certificate first issued
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