



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

OIML Certificate No
R76/2006-GB1-12.03
Revision 1

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

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

Applicant: **SCAIME SAS
Technosite ALTEA, BP 501
74105 Annemasse Cedex
FRANCE**

Manufacturer: **The applicant**

Identification of the
certified pattern: **IPE100, IPE90, IPC, and IPE50 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: 11 February 2013
Reference No: TS13/0013


Signatory: P R Dixon

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



**National
Measurement
Office**

The conformity was established by tests described in the associated:

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

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.

IPE100 Series	IPE90 Series	IPC Series	IPE50 Series
IPE100 PB	IPE90 SS	IPC50 PBK & IPC50 PB	IPE50 MD, IPE50 MDAN, IPE50 D, IPE50 DAN & IPE50 DPB
IPE100 SS	IPE90 PAN	IPC50 SSK & IPC50 SS	IPE50XLI, IPE50 XLAN, IPE50 XLR & IPE50 XLPB
IPE100 EGT	IPE90 SSF	IPC50R PB	IPE50 AL, IPE50 ALAN & IPE50 ALPB
		IPC50R SS	IPE50 SK, IPE50 SKAN, IPE50 SKPB, IPE50 SKF & IPE50 SKFAN
		IPC20L SS	IPE50 P, IPE50 PAN, IPE50 PPB, IPE50 PF & IPE50 PFAN
		IPC20, IPC20 SS & IPC20 SSK	IPE50 S, IPE50 SAN & IPE50 SPB

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:

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	3 mV
Measuring range maximum voltage	30 mV
Fraction of maximum permissible error	0.5
Operating temperature range	-10 / + 40 °C
Load cell connection	4 or 6 wire
Load cell cable length (junction box to indicator)	50 m

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.

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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.

Certificate History

Issue №.	Date	Description
R76/2006-GB1-12.03	14 February 2012	Type approval first issued
R76/2006-GB1-12.03 Revision 1	11 February 2013	New indicators added to certificate IPC and IPE50 Series.