

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

OIML Certificate No  
R76/2006-GB1-12.03

## 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 P, IPE100 SS, IPE90 P and IPE90 SS**

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: 14 February 2012**  
**Reference No: TS13/0013**

  
**Signatory: P R Dixon**

The conformity was established by tests described in the associated pattern evaluation report P00251 which includes 13 pages.

Models PE100 P, IPE100 SS, IPE90 P, and IPE90 S are technically compatible with models 3590EXPC, 3590EXT, CPWE and CPWET as detailed in the evaluation report P00251.

### **Characteristics of the instrument:**

#### Main features:

The indicating devices are designated IPE100 P, IPE100 SS, IPE90 P, and IPE90 SS weight indicators and are designed to be connected to a load receptor to form a Class III and IIII, non-automatic weighing instrument.

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	10000
Load cell excitation voltage	5 V DC
Minimum load cell impedance	20 $\Omega$
Maximum load cell impedance	10 k $\Omega$
Minimum input voltage per verification scale interval	0.3 $\mu$ V/div
Measuring range minimum voltage	0.6 mV
Measuring range maximum voltage	5 mV
Fraction of maximum permissible error	0.5
Operating temperature range	-10 / + 40 $^{\circ}$ 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

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-GB1-12.03	14 February 2012	Type approval first issued
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