

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

OIML Certificate No
R76/2006-GB1-14.03

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

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

Applicant: **Excell Precision Co., Ltd
6F, No 127, Lane 235
Pao-Chiao Road
Hsin-Tien District
New Taipei City
Taiwan**

Manufacturer: **The applicant**

Identification of the certified pattern: **FJ3-XXX, GJW-XXXX, HJW-XXX or HJP-XXX Hanging Scales where XXXX denotes alternative approved models.**

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]

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 June 2014
Reference No: TS1201/0062



Signatory: P R Dixon

The conformity was established by the evaluation described in Pattern Evaluation Report P00993.

Characteristics of the instruments:

Description:

These weighing instruments are designated the FJ3, GJW, HJW or HJP Hanging Scales. They are designed to be used as a Class III Non-Automatic Weighing Instrument. The Hanging Scales are self-indicating, mains or battery-powered, and can operate as a single or multi range (HJP and HJW) weighing instrument.

The indicator consists of an analogue to digital conversion circuitry, microprocessor control circuitry, power supply, functional keypad, non-volatile memory for storage of calibration and setup data, and a weight display contained within a single enclosure.

Construction:

- Aluminium Alloy construction
- Six digit segments LED digital screen (FJ3)
- Six digit segments LED or LCD digital screen available in various colours (HJP, HJW and GJW models)
- Operator function keypad
- Plastic enclosure
- LED indicators (battery status: charging or charged)
- Dual display (HJP and HJW)

Devices:

- Initial zero setting ($\leq 20\%$ Max)
- Semi-automatic zero setting ($\leq 4\%$ Max)
- Zero tracking ($\leq 4\%$ Max)
- Semi-automatic subtractive tare weighing
- Determination of stability of equilibrium
- Preset tare
- Accumulation
- High-resolution mode (5 sec maximum)
- Unit switch (kg, t)
- Gross, Net, Motion, Accumulation, Preset tare, Weighing range indicators
- Remote operator keypad (FJ3, HJP, HJW and GJW)
- Hold function

Technical characteristics:

Power supply

The Hanging Scales are mains or battery-powered. A mains adaptor supplies 6 V DC to the Hanging Scales, any CE-marked adaptor may be used. The battery may be a 6 V DC 7 or 10 AH rechargeable battery.

Indicator specification

Power supply	6 V DC 7 or 10 AH
Maximum number of scale intervals	3 750
Maximum Tare	6 kg or 15 000 kg (depending on configuration)
Maximum Preset Tare	6 kg to 15 000 kg (depending on configuration)
Load cell excitation voltage	5 V DC
Minimum load cell impedance	350 Ω
Maximum load cell impedance	1 200 Ω
Minimum input voltage per scale interval	1 μV
Measuring range minimum voltage	-1 mV/V
Measuring range maximum voltage	3 mV/V
Fraction of maximum permissible error	Pind = 0.5
Operating temperature range	-10 °C to +40 °C
Load cell connection	4 or 6 wire connection maximum length = 2 m/mm ²

Load cell

Any load cell may be used provided the following conditions are met:

- there is a respective OIML Certificate of Conformity (R60) issued for the load cell by an OIML Issuing Authority;
- 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 OIML R76 has been conducted on this load cell;
- the compatibility of load cell and indicator is established by the manufacturer by means of the compatibility of modules form; and
- the load transmission must conform to a standard type.

Peripheral devices:

- There are no peripheral devices.

Certificate History

Issue №.	Date	Description
R76/2006-GB1-14.03	11 June 2014	Type approval first issued
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