National Measurement Office Certification

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

OIML Certificate №
R76/2006-GB1-13.03

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

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

Applicant: **Rinstrum Pty Ltd**
41 Success Street
Acacia Ridge
Brisbane 4110
QLD
Australia

Manufacturer: **The applicant**

Identification of the certified pattern: **C510 Digital Indictor**

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: **15 July 2013**
Reference No: **TS1201/0047**

Signatory: **G Stones**

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UKAS PRODUCT CERTIFICATION 0135

National Measurement Office

The conformity was established by tests described in the associated test reports

NMO Test Report Number: TR 627
NMO Test Report Number: SN 1236
Pattern Evaluation Checklist P00832

Characteristics of the instrument:

Main features:

This indicating device is designated the C510 digital indicator. It is designed to be used as part of a single/dual range/interval, Class III non-automatic weighing instrument. The indicator is self-indicating and DC or mains-powered.

The C510 has the following features:

- ABS plastic enclosure
- Six digit LED display
- Five functions keys
- Weighing status
- Multiple range/interval status
- Connections and ports located at the rear

Devices:

- Extended indicating device
- Printing device
- Totalising device
- Initial zero setting device (≤ 20% of Max)
- Zero tracking device (≤ 4% of Max)
- Semi-automatic zero setting device (≤ 4% of Max)
- Tare setting device: Semi-automatic, additive and subtractive
- Preset tare device
- Multi-range device
- Multi-interval device
- lb/kg switching device
- Gross/net switching device
- Calibration device
- Piece counting device
- Fault handling device
- Display test device, on power up
- Alibi memory device
- Zero indicator
- Indication of stable equilibrium

Technical characteristics:

Maximum number of scale intervals	3,000	6,000	10,000
Load cell excitation voltage	5 V DC		
Minimum load cell impedance	21 Ω		
Maximum load cell impedance	5000 Ω		
Minimum input voltage per verification scale interval	0.5 μV/Div		
Measuring range minimum voltage	0.001 mV		
Measuring range maximum voltage	25 mV		
Fraction of maximum permissible error	0.5		
Operating temperature range	-10 / + 40 °C		
Load cell connection	6 wire		
Load cell cable length m/mm^2 (junction box to indicator)	755	378	227

Note: Cable length obtained from manufacture.

Technical data:

The indicator can either operate directly from mains AC supply (86-260 V AC 48-62 Hz) or via a stable DC supply (12-24 V DC). Any compatible CE-marked mains adaptor may be used.

Interfaces:

The instrument may have the following interface type:

- 6-wire load cell connection
- DC voltage input
- 2 x RS-232
- RS-485
- Control inputs/outputs
- 2 x USB (host and slave)
- 2 x UARTS
- 2 x IIC (optional accessory)
- Ethernet

Certificate History

Issue №.	Date	Description
R76/2006-GB1-13.03	15 July 2013	Type approval first issued
-	-	No revisions have been issued.