National Measurement Office Certification

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

OIML Certificate No
R76/2006-GB1-14.02

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

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

Applicant: **Atrax Group NZ Ltd**
390a Church St
Penrose
Auckland 1061
New Zealand

Manufacturer: **The applicant**

Identification of the certified pattern: **CDI-1600**

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.

The conformity was established by tests and examination described in the associated pattern evaluation report P00955 which includes 13 pages.

Issue Date: **15 January 2014**
Reference No: **TS1201/0047**

Signatory: **P R Dixon**
for **Chief Executive**

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

UKAS PRODUCT CERTIFICATION 0135

National Measurement Office

Characteristics of the instrument:

This indicating device is designated the CDI-1600 indicator. It is designed to be used as part of a single range, single or dual-scale, Class III or IIII, non-automatic weighing instrument. The indicator is self-indicating and mains-powered.

Main features:

The CDI-1600 indicator has the following features:

- Stainless steel enclosure fitted with panel mount bracket or tilt stand
- Colour LCD display
- 27 button keypad (5 function keys, 5 primary scale function keys, 4 navigation keys, enter key, 12-key numeric keypad)
- Connections and ports located on the bottom face

Devices:

- Semi-automatic zero setting (≤ 4% of Max)
- Zero tracking (≤ 4% of Max)
- Semi-automatic subtractive tare weighing (T = - Max)
- Preset Tare
- Zero indicator
- Indication of stable equilibrium
- Gross/Net/Tare display
- Single or dual-scale
- Totalisation
- Display check at power up
- Printing

Technical characteristics:

Maximum number of scale intervals	6000
Load cell excitation voltage	5 VDC
Minimum load cell impedance	21.8 Ω
Maximum load cell impedance	1100 Ω
Minimum input voltage per verification scale interval	0.6 µV/div
Measuring range minimum voltage	0 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)	800 m/mm2

Interfaces:

The instrument may have the following interface type:

- 6-wire load cell connection
- RS232/RS485
- Ethernet
- USB
- Digital I/O
- PS/2

Software:

The legally relevant software is designated version V2.xx.xx, with x reflecting non-legally relevant changes.
The legally relevant parameters (Service menu) can only be accessed by pressing the calibration switch on the CPU board (via an aperture on the rear face).

Sealings:

Access to the load cell connection(s) and calibration switch is prevented by sealing the enclosure (via a wire-and-seal or tamper-evident sticker solution bearing a securing mark).

Certificate History

ISSUE NO.	DATE	DESCRIPTION
R76/2006-GB1-14.02	15 January 2014	Certificate first issued
-	-	No revisions have been issued.