

**OIML Member State**United Kingdom of Great Britain
and Northern Ireland**OIML Certificate No.**
R76/2006-A-GB1-18.01**OIML CERTIFICATE ISSUED UNDER SCHEME A****OIML Issuing Authority NMO**
Stanton Avenue
Teddington
TW11 0JZ
United KingdomPerson responsible: **Mannie Panesar – Head of Technical Services****Applicant**
Atrax Group NZ Ltd
390a Church St
Penrose
Auckland 1061
New Zealand**Manufacturer** **The applicant****Identification of the certified type** **CDI-1600**
(the characteristics are defined in the Descriptive Annex)

This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R 76-1, Edition: 2006

For accuracy class: III and IIII

The OIML Issuing Authority

Issue date: 22 February 2018

Grégory Glas
Lead Technical Manager
For and on behalf of the Head of Technical Services**0135**

This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.

This OIML Certificate does not bestow any form of legal international approval.

The conformity was established by the results of tests and examinations provided in the associated OIML type evaluation report:

No. P02324 dated 22 February 2018 that includes 16 pages.

The technical documentation relating to the identified type is contained in documentation file:

No. P02324-D dated 22 February 2018.

OIML Certificate History

Revision No.	Date	Description of the modification
Revision 0	22 February 2018	Certificate first issued
-	-	-

No revisions have been issued.

Important note:

Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

DESCRIPTIVE ANNEX

Characteristics of the instrument:

The CDI-1600 is a Class III or IIII, self-indicating, single-interval, single or dual-scale non-automatic weighing instrument. The instrument is not designed for direct sales to the public.

Construction:

The 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 ($\leq 4\%$ of Max)
- Zero tracking ($\leq 4\%$ of Max)
- Semi-automatic subtractive tare weighing ($T = - \text{Max}$)
- Preset Tare
- Zero indicator
- Indication of stable equilibrium
- Gross/Net/Tare display
- Single or dual-scale
- Totalisation
- Display check at power up
- Printing
- Data storage device (Alibi memory)

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.

Technical data:

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 $\mu\text{V/div}$
Measuring range minimum voltage	0 mV
Measuring range maximum voltage	30 mV
Fraction of maximum permissible error p_i	0.5
Operating temperature range	-10 / + 40 $^{\circ}\text{C}$
Power supply	100-240 VAC, 50/60 Hz
Load cell connection	4 or 6-wire
Load cell cable length (junction box to indicator)	800 m/mm ²

Software:

The legally relevant software is designated version V2.xx.xx, with x reflecting non-legally relevant changes. This information can be displayed by selecting Menu/Supervisor/About, or when the indicator is powered on during display of the information screen.

Access to the legally relevant parameters (Service menu) and download of software are only possible by pressing the calibration switch on the CPU board (via an aperture on the rear face).

Interfaces

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

Sealing:

Access to the load cell connection(s) and the calibration switch must be prevented by a tamper-evident solution..

Alternatives:

There are currently no authorised alternatives.