Ministry of Business, Innovation & Employment

Wellington, New Zealand

CERTIFICATE OF APPROVAL

Weights and Measures Regulations 1999
Part 1 Regulations 5 and 6

Current Date of Issue: 03 April 2017
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Certificate 2282

Overseas Certificate No: OIML R76/2006-NL1-16.04

This certifies that the Rice Lake 1280 Enterprise Series, Instrument described overleaf has been approved as suitable for trade use subject to any conditions stated in the schedule:

Figure 1 - Rice Lake Model 1280 Enterprise Series Digital Indicator

S R Bobbala **J P Crane**

Under delegated authority from the Chief Executive of The Ministry of Business, Innovation & Employment

Note: This is not an approval to any person but only with respect to the type and pattern of weight, measure, or weighing or measuring instrument.

SCHEDULE

Overseas Certificate No: OIML R76/2006-NL1-16.04

Pattern:	Indicating Device
Make:	Rice Lake
Model:	1280 Enterprise Series
Manufacturer:	Rice Lake Weighing Systems, USA.
Submitter:	Atrax Group NZ Ltd
Class:	III or IIII
Maximum number of verification scale intervals:	10 000
Excitation Voltage (V DC):	10 V DC
Minimum Sensitivity (μV/Scale Interval):	1.0
Maximum value of cable length per wire cross section (m/ mm²):	395
Minimum Load Cell Impendence (Ω):	23
Maximum Load Cell Impendence (Ω):	1050
Fraction of MPE (Pind):	0.5
Conditions of Approval:	1. The approval does not include the use of the indicator as an automatic weighing instrument. 2. This Certificate only covers compliance with respects to the relevant sections of the Weights and Measures Act and Regulations and should not be construed as guarantee of compliance with any safety requirements. 3. Trading Standards reserves the right to examine any instrument or component of an instrument purporting to comply with this approval.

Description:

A Rice Lake Model 1280 Enterprise Series digital indicator (Figure 1) is approved to configure either as a single-interval, multi-interval or multi-range with a Class III or IIII, non-automatic weighing Instruments.

The indicators have multi-deck (Multi-channel) Capability, with 8 Channels plus summing function (up to 8 load receptors).

Maximum number of verification scale intervals:
Class III:
Single interval: 10 000
Multi-interval: 10 000 per partial weighing range with a maximum number of up to 3 ranges.
Multi-range: 10 000 per weighing range with a maximum number of up to 3 ranges.
Class IIII:
1000 scale intervals

Load cell connection 6 wire. Maximum value of cable length per cross wire section between the indicator and the junction box or the load cells is 395 m/mm². In case a 4-wire connection is used, the load cells are connected directly without the junction box.

Construction:

The indicators are constructed in a stainless steel enclosure with a TFT WVGA Color with white LED backlight type display and an operator interface key pad.
The indicators are built in three different enclosure: Panel mount, Universal and Wall mount model.

Display Check:
A display check is initiated whenever power is applied.

Power Supply:
• 100-240 V AC, 50/60 Hz, or
• 9-30 VDC

Interfaces:
The instruments may be fitted with following interfaces for the connection of auxiliary and/or peripheral devices:
• RS-232
• RS-485
• Ethernet
• USB host/device
• Analog/Digital I/O
• Anybus/Fieldbus
• Relay/Serial Card

Note: The Auxiliary devices shall meet the following conditions:
(i) have no function that would cause a variation in the display of the measured or computed quantities
(ii) is not capable of transmitting any data or instruction into the weighing instrument which could alter the weighing results, other than to release a printout, checking for correct data transmission or validation
Or

As indicated from time to time by Trading Standards.

Additional Features
The indicators may be fitted with certain additional functions such as setpoint. These additional features (other than the indications of measured mass, i.e. gross, tare, net, totals, displayed either on the indicator or on an auxiliary or peripheral device) are not approved for trade use.

Software
The software version is V1.xx. Non-legally relevant part of software version is ‘xx’, where xx is a number between 00 to 99.

ZERO SETTING DEVICES:
The Initial zero setting device of the pattern has a nominal range of not more than 20% of the maximum capacity of the instrument.
Zero is automatically corrected to within ± 0.25e whenever power is applied and whenever the instrument comes to rest within 0.5e of Zero.
The Instrument has a semi-automatic zero setting device with a nominal range of not more than 4% of the maximum capacity of the instrument.

TARE:
The indicator may be fitted with a semi-automatic subtractive tare device, and/or a pre-set subtractive tare device up to the maximum capacity of the instrument to which the indicator is fitted.

METROLOGICAL MARKINGS:
Instruments must carry the following markings:
Manufacturer’s mark, or name:
Accuracy class:
Pattern approval number:
Maximum capacity Max .....kg #
Minimum capacity Min .....kg #
Verification scale interval e = ...kg #

Maximum subtractive tare T = - ……kg##
Serial number of the instrument ……..
These markings are also shown near the display of the result.
Tare is required if it is not equal to Max.

Sealing:	Sealing is achieved using audit trail, a calibration event counter that is non-resettable increments each time when legally relevant parameters are changed. The value of the event counter is shown by selecting Menu -> Audit Trail. The event counter value at the time of verification/certification must be recorded on a destructible adhesive label attached to the instrument. In addition to the above, the load cell connections (junction box) must be sealed using an approved type destructible adhesive labels or wire and lead type seal.
Mark of Verification:	The approved type of seal used for sealing must carry a Mark of Verification. Removal of seal deems the instrument not verified.
Temperature:	-10°C to +40°C