



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

OIML Certificate No  
R76/1992-GB1-10.09

## OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: **National Weights and Measures Laboratory**  
Address: **Stanton Avenue**  
**Teddington**  
**Middlesex**  
**TW11 0JZ**  
**United Kingdom**

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

Applicant

Name: **Rice Lake Weighing Systems**  
Address: **230 W. Coleman Street**  
**Rice Lake**  
**WI 54868**  
**USA**

Manufacturer of the certified pattern is the Applicant.

Identification of the certified pattern:

**720i-1A, 720i-1E, 720i-2A and 720i-2E non-automatic weighing instruments**  
**Further characteristics see page 2**

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 Organization of Legal Metrology (OIML):

<b>OIML:</b>	<b>R76</b>
<b>Edition:</b>	<b>1992 (E)</b>
<b>Accuracy class:</b>	<b>III</b>

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.

The conformity was established by tests and examination described:

Test reports: TR 576 having 26 pages  
TR 582 having 11 pages  
SN 1152 having 27 pages  
Pattern evaluation checklist: P00096 having 13 pages

The issuing authority

The CIML member



Mr G E Stones



Mr P Mason

Date: 26 October 2010  
Ref: T1127/0027

Characteristics: The instrument is a 720i, Class III or IIII, mains or DC-powered, self-indicating, single or multi-interval/range, non-automatic weighing instrument.

It consists of a 720i indicator (720i-1A, 720i-1E, 720i-2A or 720i-2E) connected to a weighing platform.

Main features:

720i-1A and 720i-1E (Panel Mount)

- Controller housed in painted steel enclosure
- Remote display housed in stainless steel enclosure
- Backlit LCD display with enunciators (stability, zero, gross/net, scale number, weighing range, unit, tare, preset tare)
- Front panel with 6 permanent keys (functions, navigation) and 4 programmable softkeys
- Mains-powered (720i-1A) or DC-powered (720i-1E)

720i-2A and 720i-2E (Universal)

- Indicator housed in stainless steel enclosure
- Backlit LCD display with enunciators (stability, zero, gross/net, scale number, weighing range, unit, tare, preset tare)
- Front panel with 18 permanent keys (functions, navigation, numerical) and 4 programmable softkeys
- Mains-powered (720i-2A) or DC-powered (720i-2E)

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Load cell:

Any compatible load cell 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.

Devices:

- Semi-automatic zero setting device ( $\leq 4\%$  of Max)
- Zero-tracking device ( $\leq 0.5d/s$  within  $4\%$  Max)
- Subtractive semi-automatic tare balancing device
- Pre-set tare device
- Gross and Net Indicator
- Display test device
- Time and date function
- Truck modes
- Multi-interval / Multi-range
- Alibi memory
- Local/remote configuration

Technical data:

Power supply	100-240 VAC - 50/60 Hz 10-60 VDC
Maximum number of scale intervals	10,000
Load cell excitation voltage	10 Vdc
Minimum load cell impedance	21.8 $\Omega$
Maximum load cell impedance	2000 $\Omega$
Minimum input voltage per verification scale interval	1 $\mu$ V
Measuring range minimum voltage	0 mV
Measuring range maximum voltage	70 mV
Fraction of maximum permissible error	Pind = 0.5
Operating temperature range	- 10 °C to + 40 °C
Load cell cable (from indicator to load cell junction box) - Maximum length	209 m/mm2 (6-wire configuration) 0.5 m (4-wire configuration)

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**Interfaces:**

The instrument may have a number of the following protected interfaces:

- Load cell 4 or 6-wire connection
- RS232
- RS485
- Analogue output
- 20 mA Current Loop
- Digital I/O, 24 channels
- Ethernet TCP/IP
- USB Connector
- PS2 Keyboard
- Pulse input interface
- Bus interface
  - o Profibus
  - o Device-Net
  - o Ethernet IP
  - o Control-Net

**Certificate History**

<b>ISSUE NO.</b>	<b>DATE</b>	<b>DESCRIPTION</b>
R76/1992-GB1-10.09	26 October 2010	Certificate first issued.
-	-	No revisions have been issued.

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