



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

OIML Certificate No
R76/1992-GB1-04.02
Revision 1

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
Type Approval 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:

**Rice Lake Weighing Systems 820i and 920i indicating devices
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):

**OIML: R76
Edition: 1992 (E)
Accuracy class: III**

This Revision replaces earlier versions of the certificate.

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.

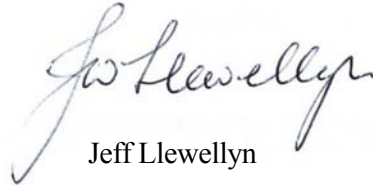
The conformity was established by tests described in the associated test reports: SN: 00432 and SN: 00892.

The issuing authority



Paul Dixon

The CIML member



Jeff Llewellyn

Date: 5 April 2006

Characteristics: This indicating device, designated the 820i or 920i indicator, has the following devices:

- Semi-automatic zero setting device ($\leq 4\%$ of Max)
- Zero-tracking device ($\leq 0.5d/s$ within 4% Max)
- Subtractive tare device
- Gross and Net Indicator
- Semi automatic tare device
- Pre set tare device
- Display test device
- Time and date function

Comprising of: The indicator housing is fabricated from stainless steel plate. The front panel has a backlit LCD display and a twenty-seven key keyboard, five of the twenty seven keys are programmable software keys.

Alternative 1:

Power supply	115 VAC or 230 VAC
Maximum number of scale intervals	10,000
Load cell excitation voltage	± 5 VDC (10 VDC)
Minimum load cell impedance	21.875 Ω
Maximum load cell impedance	2000 Ω
Minimum input voltage per verification scale interval	1 micro volt
Measuring range minimum voltage	-10 mV
Measuring range maximum voltage	70 mV
Fraction of maximum permissible error	$P_{ind} = 0.75$
Operating temperature range	-10°C to +40°C
Load cell cable	6 cores around PVC filler in centre, tinned copper braid, flexible PVC overall jacket. Maximum length = 100 m for 4-wire operation

Alternative 2:

Power supply	115 VAC or 230 VAC
Maximum number of scale intervals	6000
Loadcell excitation voltage	± 5 VDC (10 VDC)
Minimum loadcell impedance	21.875 Ω
Maximum loadcell impedance	2000 Ω
Minimum input voltage per verification scale interval	1 micro volt
Measuring range minimum voltage	-10 mV
Measuring range maximum voltage	70 mV
Fraction of maximum permissible error	$P_{ind} = 0.50$
Operating temperature range	-10°C to +40°C
Loadcell cable	6 cores around PVC filler in centre, tinned copper braid, flexible PVC overall jacket. Maximum length = 100 m for 4-wire operation

Maximum cable length for 6-wire operation				
Load Cell Impedance ¹	Cable size			Unit of length
	0.2 mm ²	0.5 mm ²	1.0 mm ²	
22 Ω	14	33	71	Meters
44 Ω	28	66	142	Meters
87 Ω	56	133	283	Meters
350 Ω	224	535	1134	Meters

¹ calculated by dividing the single load cell impedance by the number of load cells

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