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

OIML Certificate No
R76/1992-GB1-04.01
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: **Richard Sanders – Assistant Director, Type Approval.**

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 520 indicating device
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**

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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.

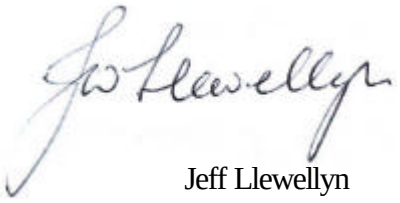
The conformity was established by tests described in the associated test reports: SN: 00869 and SN: 00891.

The issuing authority

Richard Sanders

Date 4 May 2004

The CIML member



Jeff Llewellyn

Date 4 May 2004

Characteristics: This indicating device is designated the 520 indicator. It has the following devices:

- Semi-automatic zero setting device (≤4% of Max)
- Zero-tracking device (≤0.5d/s within 4% Max)
- Subtractive tare balancing 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 VFD display and a five-key keyboard.

Power supply	115 VAC or 230 VAC, 50/60 Hz
Maximum number of scale intervals	10,000
Load cell excitation voltage	± 5 VDC (10 VDC)
Minimum load cell impedance	43.75 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	$P_i = 0.5$
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 = 7 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	
87 Ω	56	133	283	Meters
175 Ω	112	267	567	Meters
350 Ω	224	535	1134	Meters

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

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.

This Revision replaces earlier versions of the certificate.