



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

OIML Certificate No  
R60/1991-GB1-95.01  
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: **P Dixon  
Business Team Manager - Type Approval & Testing**

Applicant Name: **Vishay Transducers**  
Address: **677 Arrow Grand Circle  
Covina  
CA 91722  
USA**

Manufacturer of the certified pattern is:

**The applicant**

Identification of the certified pattern:

**Load Cell Model No Sensortronics 60001C**

Accuracy class	max output	input impedance	output impedance	cable type	cable length
C3	3 mV/V	380 $\Omega$	350 $\Omega$	4 wire shielded. Shield not connected to load cell	20 feet

**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 Organisation of Legal Metrology -OIML):

**R 60** *Metrological regulation for load cells*

**Edition: 1991 (E)** for accuracy class: C

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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.

This Revision replaces earlier versions of the certificate.

The conformity was established by tests described in the associated test reports, application numbers 10-93 and 11-93, which each includes 26 pages.

The issuing authority

CIML member



Mr P Dixon  
for NWML



Dr J W Llewellyn

Date 07 February 2005

**Table 1: Essential technical data**

<i>Model designation</i>	<i>Designation</i>	<i>Value</i>	<i>Units</i>
Maximum number of load cell verification intervals	$n_{LC}$	3000	
Maximum capacity	$E_{max}$	SEE TABLE BELOW	kg
Minimum dead load, relative	$E_{min}/E_{max}$	SEE TABLE BELOW	%
Relative $V_{min}$ (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	SEE TABLE BELOW	
Maximum excitation voltage		20	V dc
Temperature rating		-10/+40	°C
Safe overload, relative	$E_{lim}/E_{max}$	150	%

<b>E<sub>max</sub> (kg)</b>	<b>V<sub>min</sub> (kg)</b>	<b>E<sub>min</sub> (kg)</b>		<b>E<sub>max</sub> (lb)</b>	<b>V<sub>min</sub> (lb)</b>	<b>E<sub>min</sub> (lb)</b>
50	0.008	0.2		100	0.015	0.5
75	0.012	0.2		150	0.025	0.5
100	0.015	0.2		250	0.038	0.5
200	0.030	0.2		500	0.075	1.0
250	0.038	0.5		750	0.120	1.0
300	0.045	0.5		1000	0.150	1.0
350	0.053	0.5		1500	0.230	1.0
500	0.075	0.5		2000	0.300	1.0
750	0.113	0.5		2500	0.380	1.0
1000	0.150	0.5		5000	0.750	1.0
1500	0.230	0.5		10000	1.500	1.0
2000	0.300	0.5				
2500	0.380	0.5				
3000	0.45	0.5				
5000	0.75	0.5				

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