



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

OIML Certificate No
R60/2000-GB1-05.02
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: **P Dixon**
Business Team Manager - Type Approval & Testing

Applicant Name: **Intercomp**
Address: **3839 County Road 116**
Minneapolis
Minnesota 55340
USA

Manufacturer of the certified pattern is:

The applicant

Identification of the certified pattern:

Double-ended beam strain gauge load cell

Model Designation	LP600
Maximum capacity, E_{\max} (kg)	1900
Minimum verification interval, V_{\min}	0.75
Accuracy class	D0.5
Maximum number of load cell intervals, n_{\max}	500
Apportionment factor; p_{LC}	0.7

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: 2000 (E) for accuracy class: D

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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 report: TR00496 which includes 19 pages.

The issuing authority

CIML member




Mr P Dixon
for NWML

Dr J W Llewellyn

Date 28 January 2005

Table 1: Essential technical data

<i>Model designation</i>	<i>Designation</i>	<i>Value</i>	<i>Units</i>
Classification		D0.2	
Additional marking		-	
Maximum number of load cell verification intervals	n_{LC}	500	
Maximum capacity	E_{max}	1900	kg
Minimum dead load, relative	E_{min}/E_{max}	0	%
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	2533	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	253	
Rated output		1	mV/V
Maximum excitation voltage		5	V dc
Input impedance (for strain gauge LCs)	R_{LC}	1000	Ω
Temperature rating		-10/+40	$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	200	%
Additional characteristics		4 wire + screen	

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