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

OIML Certificate No
R60/2000-GB1-07.05
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 – Product Certification Manager**

Applicant

Name: **I.P.A. Pvt. Ltd**

Address: **472/B2, 12th Cross**
IV Phase
Peenya Industrial Area
Bangalore
560 058 India

Manufacturer of the certified pattern is:

The applicant

Identification of the certified pattern:

Steel compression (beam) strain gauge load cell

Model Designation	BR 0xx L0/H0, where xx relates to the E_{max}	
Maximum capacity, E_{max} (kg)	70, 100, 200, 300, 500	700, 1000
Accuracy class	C	
Maximum number of load cell intervals, n_{max}	2500	2258
Minimum verification interval, V_{min}	E_{max} / 2500	E_{max} / 2258
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 classes : C2.5** and **C2.25**

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 report: N° SN1047 which includes 22 pages and test report: N° SN1013 which includes 23 pages.

Issuing authority

P R Dixon
for NWML

CIML member

P E Mason

Date 14 May 2008
Ref: T1136/0027

Table 1: Essential technical data

Model designation	*Designation*	*Value*		*Units*
Classification		C2.5	C2.25	
Additional marking		NH		
Maximum number of load cell verification intervals	n_{LC}	2500	2258	
Maximum capacity	E_{max}	70, 100, 200, 300, 500	700, 1000	kg
Minimum dead load	E_{min}	0.6, 0.8, 1.6, 2.4, 4.0	7.0, 9.0	kg
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	2500	2258	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	7000	1167	
Rated output		1.5		mV/V
Maximum excitation voltage		12		V dc
Input impedance (for strain gauge LCs)	R_{LC}	390 ± 10		Ω
Temperature rating		-10/+40		°C
Safe overload, relative	E_{lim}/E_{max}	200		%
Cable length		2.5		m
Additional characteristics		4-wire (plus screen)		

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.