



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

OIML Certificate No
R60/2000-GB1-07.05

OIML CERTIFICATE OF CONFORMITY

Issuing authority

Name: **National Weights and Measures Laboratory**
Address: **Stanton Avenue
Teddington
Middlesex, TW11 0JZ
United Kingdom**

Person responsible: **Gavin Stones – Deputy 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 H0, where xx relates to the E_{\max}
Maximum capacity, E_{\max} (kg)	700 and 1000
Accuracy class	C
Maximum number of load cell intervals, n_{\max}	2250
Minimum verification interval, V_{\min}	$E_{\max} / 2258$
Apportionment factor, p_{LC}	0.7

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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: 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° SN1013 which includes 23 pages.

Issuing authority



Mr G E Stones
for NWML

CIML member



Dr J W Llewellyn

Date 21 August 2007

Ref: T1136/0016

Table 1: Essential technical data

<i>Model designation</i>	<i>Designation</i>	<i>Value</i>		<i>Units</i>
Classification		C2.25		
Additional marking		NH		
Maximum number of load cell verification intervals	n_{LC}	2250		
Maximum capacity	E_{max}	700	1000	kg
Minimum dead load	E_{min}	10	4	kg
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	2258		
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	1167		
Rated output		1.5		mV/V
Maximum excitation voltage		12		V dc
Input impedance (for strain gauge LCs)	R_{LC}	350		Ω
Temperature rating		-10/+40		$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	200		%
Cable length		2.5		m
Additional characteristics		4-wire (plus screen)		

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