



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

**OIML Certificate No
R60/2000-GB1-10.05**

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: **Elite Transducers Limited**
Address: **5-6 Zephyr House
Calleva Park
Aldermaston
Berkshire
RG7 8JN**

Manufacturer of the certified pattern is:

The applicant

Identification of the certified pattern:

Stainless steel compression strain gauge load cell

Model Designation	Chassis Mount Cell	
Maximum capacity, E_{max} (kg)	6000	9000
Accuracy class	C1.5	
Maximum number of load cell intervals, n_{max}	1500	
Minimum verification interval, V_{min} (kg)	$E_{max} / 6000$	
Apportionment factor; p_{LC}	0.7	

OIML Certificate No R60/2000-GB1-10.05

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):

R 60 *Metrological regulation for load cells* Edition: 2000 (E) for accuracy class: C1.5

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:

NWML Test report:	SN: 1161	having 8 pages
NWML Test report:	SN: 1162	having 16 pages

The issuing authority

The CIML member



Mr G Stones



Mr P Mason

Date: 28 October 2010

Ref: T1136/0047

Table 1: Essential technical data

<i>Model designation</i>	<i>Designation</i>	<i>Value</i>	<i>Units</i>
Classification		C1.5	
Additional marking		CH	
Maximum number of load cell verification intervals	n_{LC}	1500	
Maximum capacity	E_{max}	6000 9000	kg
Minimum dead load, relative	E_{min}/E_{max}	0	kg f
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	6000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	1740	
Rated output		0.72 ± 0.25	mV/V
Maximum excitation voltage		15	V DC
Input impedance (for strain gauge LCs)	R_{LC}	755 ± 20	Ω
Temperature rating		-10/+40	°C
Safe overload, relative	E_{lin}/E_{max}	250	% F.S
Cable length		10	m
Additional characteristics		4-wire (plus screen)	

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