



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

OIML Certificate No
R60/2000-GB1-07.03

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: **AEP transducers S.r.l.**
Address: **Via Bottego 33/a
41010 Cognento
Modena
Italy**

Manufacturer of the certified pattern is:

The applicant

Identification of the certified pattern:

Stainless steel (tension) strain gauge load cell

Model Designation	TSA		
Maximum capacity, E_{\max} (kg)	100 - 200 - 300 - 500 1000 - 2000 - 2500 5000 - 7500		500 1000 2000 2500
Accuracy class	C2	C3	C4
Maximum number of load cell intervals, n_{\max}	2000	3000	4000
Minimum verification interval, V_{\min}	$E_{\max} / 10000$		$E_{\max} / 15000$
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 reports and certificate) 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 : C**

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 reports and certificate:

Test Report No: R60/2000-NL1-05.21A which includes 37 pages

Test Report No: R60/2000-NL1-05.21B which includes 40 pages

Test Report No: 24207C which includes 30 pages

Issuing authority



Mr P R Dixon
for NWML

CIML member



Dr J W Llewellyn

Date 31 August 2007

Ref: T1136/0021

Table 1: Essential technical data

<i>Model designation</i>	<i>Designation</i>	<i>Value</i>			<i>Units</i>
Classification		C2	C3	C4	
Additional marking		-	-	-	
Maximum number of load cell verification intervals	n_{LC}	2000	3000	4000	
Maximum capacity	E_{max}	25 - 50 100 - 200 - 300 - 500 1000 - 2000 - 2500 5000 - 7500		500 1000 2000 25000	kg
Minimum dead load, relative	E_{min}/E_{max}	0			%
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	10000		15000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	-	-	-	
Rated output		2			mV/V
Maximum excitation voltage		10			V dc
Input impedance (for strain gauge LCs)	R_{LC}	420			Ω
Temperature rating		-10/+40			$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	120	120	120	%
Cable length		5			m
Additional characteristics		4 wire + screen accessories: knuckle joints			

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.