

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

OIML Certificate No
R60/2000-GB1-10.06
Revision 1

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

Person responsible: **Paul Dixon – Product Certification Manager**

Applicant: **Societa' Cooperativa Bilanciai Srl
Via S. Ferrari, 16
41011 Campogalliano
Campogalliano (Modena)
Italy**

Manufacturer: **The applicant**

Identification of the certified pattern: **Eurocell NTI, NTI, stainless steel, shear beam strain gauge load cell**

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):

OIML R 60 - Edition 2000(E) for accuracy class: C1, C2, C3, C3M & C4

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.

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.

This revision replaces earlier versions of this certificate.

Issue Date: 05 December 2013
Reference No: TS13/0002



Signatory: G Stones

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The NMO is an Executive Agency of the Department for Business, Innovation & Skills



The conformity was established by tests described in the associated test reports:

Centro SIT n° 44 Test Report No: P98107 having 23 pages
Centro SIT n° 44 Test Report No: P98062 having 23 pages

Note: Model NTI is compatible with the EUROCELL NTI model as detailed in the test report.

Characteristics of the Load Cell

Model designation	Designation	Value					Units
		C1	C2	C3	C3M	C4	
Classification							
Additional marking		-					
Maximum number of load cell verification intervals	n_{LC}	1000	2000	3000	3000	4000	
Maximum capacity	E_{max}	500, 1000, 2000					kg
Minimum dead load, relative	E_{min}/E_{max}	0.5					%
Relative V_{min} (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	5000	7000	12000	16000	16000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	-			8000	-	
Rated output		$2 \pm 0.2 \%$					mV/V
Maximum excitation voltage		18					V AC, DC
Input impedance (for strain gauge LCs)	R_{LC}	350 ± 5					Ω
Temperature rating		-10/+40					°C
Apportionment fraction	P_{LC}	0.7					
Safe overload, relative	E_{lim}/E_{max}	150					%
Cable length		5					m
Additional characteristics		4 wire (0.25 mm ²) Class C3M is suitable for multi interval instruments					

Certificate History

Issue No.	Date	Description
R60/2000-GB1-10.06	09 November 2010	Certificate first issued
R60/2000-GB1-10.06 Revision 1	05 December 2013	Alternative authorised manufacturer removed. Apportionment fraction added.