

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

OIML Certificate No  
R60/2000-GB1-12.03

## OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

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

Applicant: **Flintec GmbH  
Bemannsbruch 9  
DE-74909 Meckesheim  
Germany**

Manufacturer: **The applicant**

Identification of the  
certified pattern: **WMS aluminium Planar Beam 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: C3 MI7.5**

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.

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.

**Issue Date: 26 April 2012**  
**Reference No: TS13/0007**

  
**Signatory: P R Dixon**

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The conformity was established by tests described in the associated test report SN:1196 issued by NMO.

**Characteristics of the Load Cell:**

Model designation	Designation	Value	Units
Classification		C3 MI7.5	
Additional marking		SH	
Maximum number of load cell verification intervals	$n_{LC}$	3000	
Maximum capacity	$E_{max}$	5.5, 10, 15, 20 & 25	kg
Minimum dead load, relative	$E_{min}/E_{max}$	0	kg
Relative $V_{min}$ (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	8209	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	19613	
Rated output		$1.1 \pm 0.1$	mV/V
Maximum excitation voltage		15	V DC
Input impedance (for strain gauge LCs)	$R_{LC}$	$1180 \pm 50$	$\Omega$
Temperature rating		-10/+40	$^{\circ}C$
Safe overload, relative	$E_{lim}/E_{max}$	300	% F.S
Fraction	$P_{LC}$	0.7	
Cable length		0.6	m
Additional characteristics		4 wire	

**Certificate History**

Issue №.	Date	Description
R60/2000-GB1-12.03	26 April 2012	Certificate first issued
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