

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

OIML Certificate No  
R60/2000-GB1-11.06

## OIML CERTIFICATE OF CONFORMITY

Issuing authority: **National Measurement Office**

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

Applicant: **Ölçsan Elektronik Sistemleri İml.San Ve Tic Ltd  
Bursa Karayolu 17 km  
Eskisehir  
Turkey**

Manufacturer: **The applicant and load cell bears the applicant's  
trademark of "Bassan"**

Identification of the  
certified pattern: **ZSF-A-, ZSFY-A- and ZSFYB-A Alloy steel compression  
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]**

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: 25 November 2011**  
**Reference No: TS13/0008**

  
**Signatory: P R Dixon**

# OIML Certificate No R60/2000-GB1-11.06

The conformity was established by tests described in the following test reports conducted by NMI Certin B.V.:

N<sup>o</sup> R60/2000-NL-05.17A that includes 40 pages.

N<sup>o</sup> R60/2000-NL-05.17B that includes 37 pages.

## Characteristics of the Load Cell:

Model designation	Designation	Value		Units
Classification		C		
Additional marking		CH		
Maximum number of load cell verification intervals	nLC	3000		
Maximum capacity	$E_{max}$	10 000	50 000	kg
Minimum dead load, relative	$E_{min}/E_{max}$	0		kg
Relative $V_{min}$ (ratio to minimum LC verification interval)	$Y = E_{max}/V_{min}$	-		
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	10 000		
Rated output		$2 \pm 0.002$		mV/V
Maximum excitation voltage		15		V DC
Temperature rating		-10 / +40		°C
Safe overload, relative	$E_{lim}/E_{max}$	150		% F.S
Fraction	$P_{LC}$	0.7		
Cable length		14		m
Additional characteristics		4 wire (Plus screen)		

Output impedance (for strain gauge LCs)	Designation	Value ( $\Omega$ )	Models
	$R_{LC}$	$352 \pm 2$	ZSF-A-
		$705 \pm 5$	ZSFY-A-
		$1005 \pm 5$	ZSFYB-A
Input impedance (for strain gauge LCs)			
	$R_{LC}$	$400 \pm 20$	ZSF-A-
		$730 \pm 30$	ZSFY-A-
		$1100 \pm 10$	ZSFYB-A

## Certificate History

ISSUE N <sup>o</sup> .	DATE	DESCRIPTION
R60/2000-GB1-11.06	25 November 2011	Type approval first issued
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