

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

OIML Certificate No
R60/2000-GB1-16.08

OIML CERTIFICATE OF CONFORMITY

Issuing authority: **NMO**
Person responsible: **Max Linnemann – Head of Certification Body**
Applicant: **SENSOCAR, S.A. (NIF: A61097911)**
C/Géminis 77 - 08228
Terrassa (Barcelona)
SPAIN
Manufacturer: **The applicant**
Identification of the certified pattern: **CS-D digital 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] [C4] [C5] [C6]

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 certificate 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: 27 October 2016
Reference No: TS13/0047



G Stones
Technical Manager
For and on behalf of the Head of Certification Body



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The conformity was established by testing and examination described in LGAI Test Reports 16/34514130-L and 16/31703884 which include 35 pages and 21 pages respectively.

Characteristics of the Load Cell:

Model designation	Designation	Value	Units
Classification		↓ C3, C4, C5, C6 ↑	
Additional marking		CH or no symbol	
Maximum number of load cell verification intervals	n_{LC}	3000, 4000, 5000, 6000	
Maximum capacity	E_{max}	10 up to 50	t
Minimum dead load, relative	E_{min}/E_{max}	0	%
Relative v_{min} (ratio to minimum load cell verification interval)	$Y = E_{max}/V_{min}$	18,000	
Relative DR (ratio to minimum dead load output return)	$Z = E_{max}/(2*DR)$	10,000	
The number of counts for E_{max}		60000	counts
Maximum supply voltage		15	V dc
{Recommended} excitation voltage		8 - 10	V dc
Input impedance (for strain gauge load cells)	R_{LC}	> 50	k Ω
Temperature rating		-10 / + 40	$^{\circ}C$
Safe overload, relative	E_{lim}/E_{max}	150	% F.S
Apportionment factor	P_{LC}	0.7	
Cable length		4 wire with a nominal section of 0.25 mm ²	m
Additional characteristics:			
Transducer material	Stainless steel		
Atmospheric protection	Stainless steel cover		
Software identification	Ver No.: 01 Chksum: 6C		
Secured interfaces	RS-485, I2C		

Restrictions

The load cell can only be used in combination with an indicator which does not allow the adjustment data of the load cell to be changed via the interface.

The load cell transmits weighing data with a scale interval smaller than the verification scale interval.

CERTIFICATE HISTORY

ISSUE NO.	DATE	DESCRIPTION
R60/2000-GB1-16.08	27 October 2016	Certificate first issued.
-	-	No revisions have been issued.