

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany



OIML Certificate N°
R60/2000-DE1-05.02
Revision 1

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

Name: Physikalisch-Technische Bundesanstalt
Address: Bundesallee 100, 38116 Braunschweig
Person responsible: Dr. Panagiotis Zervos

Applicant

Name: Gicam snc
Address: Piazza XI Febbraio, 2, 22015 Gravedona
Italy

Manufacturer of the certified type is the applicant.

Identification of the certified type

Strain gauge shear beam load cell
Type TS5...
 E_{\max} 500 kg – 2500 kg
Further characteristics see page 2

This Certificate attests the conformity of the above identified type (represented by the sample or samples identified in the associated Test Report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

R60, edition 2000
for accuracy class

C3

This Certificate relates only to the metrological and technical characteristics of the type of instrument covered by the relevant OIML Recommendation identified above.

This Certificate does not bestow any form of legal international approval.

Physikalisch-Technische Bundesanstalt

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The Revision 1 of the OIML Certificate contains the addition of the load cell type TS5/F with drills carried out as M12 thread.

The conformity was established by the results of tests and examinations provided in the associated Test Report

No. PTB 1.12-4016299 that includes 21 pages

The Issuing Authority

Dr. P. Zervos
Direktor und Professor

10.06.2008

The OIML Member

Dr. R. Schwartz
Direktor und Professor

10.06.2008

Identification of the pattern (continued):

The load cells of the series TS5... are shear beam load cells. They are made of alloy steel, the strain gauge application is potted and covered by plates of stainless steel. The metrological characteristics for application in approved weighing instruments are listed in table 1

Table 1: Essential data

Accuracy class			C3
Maximum number of load cell intervals	n_{LC}		3000
Rated output		mV/V	2
Maximum capacity	E_{max}	kg	500 / 750 / 1000 / 1500 / 2000 / 2500
Minimum load cell verification interval	$V_{min} = (E_{max} / Y)$		$E_{max} / 10000$

Dead load: $0\% \cdot E_{max}$; Safe overload: $150\% \cdot E_{max}$; Input impedance: 383Ω

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