Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML Germany		OIML Certificate N° **R60/2000-DE1-08.02**

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: TS 14

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 C1.5

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.

R3-0033

Physikalisch-Technische Bundesanstalt

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

No. PTB 1.12-4033797   that includes 22 pages

The Issuing Authority

The CIML Member

Dr. P. Zervos
Direktor und Professor

Dr. R. Schwartz
Direktor und Professor

08.05.2008

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The load cells (LC) of the series TS 14 are shear beam load cells. They are made of stainless steel, the strain gauge application is hermetically encapsulated with silicon rubber and plates of stainless steel.

The metrological characteristics for application in approved weighing instruments are listed in Table 1.

Table 1: Essential data

Accuracy class		C1.5
Maximum number of load cell intervals n_{LC}		1500
Rated output	mV/V	2
Maximum capacity E_{max}	kg	1000 / 2000 / 2500 / 3000 / 5000
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: 383 Ω

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