Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate N°
R60/2000-DE1-05.02

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

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

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.

R3-0033

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The conformity was established by the results of tests and examinations provided in the associated Report No. PTB-1.12-4016299 (21 pages).

The Issuing Authority

Dr. R. Schwartz
Direktor und Professor

05.04.2005

The CIML Member

Prof. Dr. M. Kochsiek
Vizepräsident

05.04.2005

Identification of the pattern (continued)

Load cells of the type TS5 are shear beam load cells. The load cell body is made of alloyed steel. The strain gauge application is potted.

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

Table 1

Accuracy class			C3
Max. number of LC intervals	n_{LC}		3000
Maximum capacity	E_{max}	kg	500 / 750 / 1000 / 1500 / 2000 / 2500
Minimum load cell verification interval	v_{min} (E_{max} / Y)		E_{max} / 10000

Minimum dead load 0% * E_{max} ; safe load ≥ 150% * E_{max} ; rated output 2mV/V; input resistance 383 Ω ; fraction p_{LC} = 0,7

Important note: Apart from the mention of the Certificate's reference number and the name of the OIML Member State in which the Certificate is issued, partial quotation of the Certificate and of the associated Test Report(s) is not permitted, although either may be reproduced in full.