Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany

OIML Certificate N°
R60/2000-DE1-09.11
Revision 1

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name:	Laumas Elettronica s.r.l.
Address:	Via 1 Maggio, 6
	43030 Basilicanova (PR)
	Italien

Manufacturer of the certified type is the applicant.

Identification of the certified type

Strain gauge shear beam load cell

Type: FTP

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

Physikalisch-Technische Bundesanstalt

OIML Certificate N°
R60/2000-DE1-09.11
Revision 1

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

No. 1.12-4044035-1 that includes 22 pages
No. 1.12-4044035-2 that includes 22 pages

This OIML Basic Certificate based on results measured before participation of PTB in the OIML MAA.

The Issuing Authority **The CIML Member**

Dr. D. Ratschko
Oberregierungsrat

22.06.2010

Dr. R. Schwartz
Direktor und Professor

22.06.2010

The load cells of the series FTP are shear beam load cells. They are made of stainless steel and the strain gauge application is hermetically sealed.

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	60 – 300 [1)] 500 – 2500 [2)]
Minimum load cell verification interval	v_{min} = (E_{max} / Y)		E_{max} / 15000
Minimum dead load output return	DR = (½ E_{max} / Z)		½ E_{max} / 3000

Dead load: 0%·E_{max}; Safe overload: 150%·E_{max}; Input impedance: 385 Ω; Fraction: p_{LC} = 0.7

[1)] In steps of 5 kg

[2)] In steps of 50 kg

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 Reports is not permitted, although either may be reproduced in full.