

Physikalisch-Technische Bundesanstalt

Braunschweig und Berlin

Member State of OIML
Germany



OIML Certificate N°
R60/2000-DE1-08.13

OIML CERTIFICATE OF CONFORMITY

Issuing Authority

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

Applicant

Name: PRECIA-MOLEN
Address: Franse Akker 1, 4824 AL Breda
Netherlands

Manufacturer of the certified type is the applicant.

Identification of the certified type

Load Cell
Strain gauge compression load cell
Type: SCL3
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 classes C1 ; C3 ; C3.5 ; C4 ; C3 MI 8

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.

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

PTB-1.12-4037624-1 that includes 20 pages

The Issuing Authority

The OIML Member

Dr. P. Zervos
Direktor und Professor

Dr. R. Schwartz
Direktor und Professor

26.09.2008

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The load cells (LC) of the series SCL3 are compression load cells for self-centring pendulum applications made of stainless steel. 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		C1	C3	C3.5	C4	C3 MI 8
Maximum number of load cell intervals n_{LC}		1000	3000	3500	4000	3000
Rated output	mV/V	2				
Maximum capacity E_{max}	t	30 / 40 / 50				
Minimum load cell verification interval $V_{min} = (E_{max} / Y)$		$E_{max} / 5000$	$E_{max} / 13000$			$E_{max} / 15000$
Minimum dead load output return $DR = (1/2 E_{max} / Z)$		--	--	--	--	$1/2 E_{max} / 8000$

Dead load: $2\% \cdot E_{max}$; Safe overload: $200\% \cdot E_{max}$; Input impedance: 1150 Ω ; Fraction: $p_{LC} = 0.7$

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