



Physikalisch-Technische Bundesanstalt  
Braunschweig und Berlin

**OIML Member State**  
Germany

**OIML Certificate No.**  
R60/2017-A-DE1-2021.01

**OIML CERTIFICATE ISSUED UNDER SCHEME A**

**OIML Issuing Authority**

Name: Physikalisch-Technische Bundesanstalt,  
Conformity Assessment Body  
Address: Bundesallee 100, 38116 Braunschweig, GERMANY  
Person responsible: Hon.-Prof. Dr. R. Schwartz

**Applicant**

Name: Hottinger Brüel & Kjaer GmbH  
Address: Im Tiefen See 45, 64293 Darmstadt

**Manufacturer**

Name: Hottinger Brüel & Kjaer GmbH  
Address: Im Tiefen See 45, 64293 Darmstadt

**Identification of the certified type** *(the detailed characteristics will be defined in the additional pages)*

Load cell  
Type: C16i...

**Designation of the module** *(if applicable)*

Digital load cell

This OIML Certificate attests the conformity of the above identified type (represented by the sample(s) identified in the OIML type evaluation report) with the requirements of the following Recommendation of the International Organization of Legal Metrology (OIML):

OIML R 60

Edition (year): 2017

For accuracy class (if applicable): C6, C5, C4, C3, D1

**OIML Certificate No.  
R60/2017-A-DE1-2021.01**

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

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

The conformity was established by the results of tests and examinations provided in the associated OIML type evaluation report:

No. 1.12-4103727 dated 12.05.2021 that includes 7 pages

The technical documentation relating to the identified type is contained in documentation file:

No. ZDS-R60/2017-A-DE1-2021.01 dated 12.05.2021 that includes 2 pages

**OIML Certificate History**

Revision No.	Date	Description of the modification
First issuance	12.05.2021	---

Identification, signature and stamp

**The Issuing Authority**

**The CIML Member**

Dr. Oliver Mack

Member of Conformity Assessment Body

Date: 12.05.2021

Hon.-Prof. Dr. R. Schwarz

CIML President



Table 1: Essential data

Accuracy class		D1	C3		C4		C5		C6	
Max. number of load cell intervals	$n_{LC}$	1000	3000		4000		5000		6000	
Maximum capacity	$E_{max}$	t 20/30/40/60	20/30/40	60	20/30/40	60	20/30/40	60	20/30/40	60
Minimum load cell verification interval	$\frac{V_{min}}{(E_{max} / Y)}$ 1)	$E_{max} / 5000$	$E_{max} / 10000$	$E_{max} / 12000$	$E_{max} / 10000$	$E_{max} / 12000$	$E_{max} / 10000$	$E_{max} / 12000$	$E_{max} / 10000$	$E_{max} / 12000$
Opt. minimum load cell verification interval	$\frac{V_{min}}{(E_{max} / Y)}$ 1)	$E_{max} / 20000$								

Minimum dead load:  $0\% \cdot E_{max}$ ; Safe overload:  $150\% \cdot E_{max}$

**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 OIML type evaluation report(s) is not permitted, although either may be reproduced in full.

