OIML Member State Germany	**OIML Certificate No.** **R60/2021-A-DE1-25.02**

OIML CERTIFICATE ISSUED UNDER SCHEME A

OIML Issuing Authority

Name:	Physikalisch-Technische Bundesanstalt, Conformity Assessment Body
Address:	Bundesallee 100, 38116 Braunschweig, GERMANY
Person responsible:	Dr.-Ing. Prof. h. c. Frank Härtig

Applicant

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

Manufacturer

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

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

Load cell
Type: RTN

Designation of the module *(if applicable)*

Not applicable

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): 2021

For accuracy class (if applicable): D1, C3, C4, C5, C3MI7.5, C4MI7.5, C5MI7.5

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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. KBS 2-4.3-TER-06.02.03/0295#0001-0005 dated 02.10.2025 that includes 6 pages

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

No. ZDS-R60/2021-A-DE1-25.02 dated 02.10.2025 that includes 2 pages

OIML Certificate History

Revision No.	Date	Description of the modification
0	02.10.2025	Initial issuing

Digital signature

The Issuing Authority

PTB
Physikalisch-Technische Bundesanstalt
Nationales Metrologieinstitut

digital gesiegelt
Physikalisch-Technische Bundesanstalt
02.10.2025
14:39:42 +02

Dr.-Ing. Oliver Mack

Member of Conformity Assessment Body

Date: 02.10.2025

Table 1: Essential data

Accuracy class acc. to OIML R60			D1	C3	C4	C5
Maximum capacity	E_{max}	t	1 / 2,2 / 4,7 / 10 / 15 / 22 / 33 / 47 / 68 / 100		2,2 / 4,7 / 10 / 15 / 22 / 33 / 47 / 68 / 100	
Max. number of load cell intervals	n_{LC}		1000	3000	4000	5000
Min. load cell verification interval	$v_{min} = (E_{max} / Y)$	a)	E_{max} / 5000	E_{max} / 10000 b) E_{max} / 20000	E_{max} / 20000 c) E_{max} / 24000	
Ratio of minimum dead load output return	Z		n_{LC}			
Minimum dead load output return	DR	%RO	0,03	0,0167	0,0125	0,01
Apportioning factor	p_{LC}		0,7			

Accuracy class acc. to OIML R60			C3 MI7.5	C4 MI7.5	C5 MI7.5
Maximum capacity	E_{max}	t	4,7 / 10 / 15 / 22 / 33 / 47 / 68 / 100		
Max. number of load cell intervals	n_{LC}		3000	4000	5000
Min. load cell verification interval	$v_{min} = (E_{max} / Y)$	a)	E_{max} / 24000		
Ratio of minimum dead load output return	Z		7500		
Minimum dead load output return	DR	%RO	0,00667		
Apportioning factor	p_{LC}		0,7		

a) v_{min} is indicated on the name plate

b) for E_{max} = 1 t

c) for E_{max} = 2,2 t