



**Physikalisch-Technische Bundesanstalt
Braunschweig und Berlin**

OIML Member State
Germany

OIML Certificate No.
R60/2000-A-DE1-2019.03 Revision 1

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, Germany

Manufacturer

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

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

Load cell
Type: Z6R

Designation of the module (if applicable)

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): 2000

For accuracy class (if applicable): C3

OIML Certificate No. R60/2000-A-DE1-2019.03 Revision 1		
<p>This OIML Certificate relates only to metrological and technical characteristics of the type of measuring instrument covered by the relevant OIML Recommendation identified above.</p> <p>This OIML Certificate does not bestow any form of legal international approval.</p>		
<p>The conformity was established by the results of tests and examinations provided in the associated OIML type evaluation report:</p> <p>No. 1.12-4093446 Revision 1 dated 07.12.2022 that includes 7 pages</p>		
<p>The technical documentation relating to the identified type is contained in documentation file:</p> <p>No. ZDS-R60/2000-A-DE1-2019.03 dated 07.12.2022 that includes 2 pages</p>		
<p>The Certificate and Test-Reports are based of the OIML-MAA-Certificate R60/2000-DE1-15.01 and have been transferred due to Procedural Documents OIML-CS PD-07.</p>		
OIML Certificate History		
Revision No.	Date	Description of the modification
First issuance	03.07.2019	---
1	07.12.2022	Added version Z6R-P
<p>Identification, signature and stamp</p> <p>The Issuing Authority</p> <div style="display: flex; align-items: center; margin-top: 20px;"> </div> <p>Dr. Oliver Mack</p> <p>Member of Conformity Assessment Body</p> <p>Date: 07.12.2022</p>		

Table 1: Essential data

Accuracy class		C3	D1
Maximum number of load cell intervals n_{LC}		3000	1000
Rated output	mV/V	2	
Maximum capacity E_{max}	kg	20 / 22 / 30 / 33 / 50 / 55 / 100 / 110 / 200 / 220	
Minimum load cell verification interval $v_{min} = (E_{max} / Y)$		$E_{max} / 11111$	

Minimum dead load: $0\% \cdot E_{max}$; Safe overload: $150\% \cdot E_{max}$; Input impedance: 350Ω

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.