



EA MLA Signatory
Český institut pro akreditaci, o.p.s.
(Czech Accreditation Institute)
Hájkova 2747/22, Žižkov, 130 00 Praha 3

issues

according to section 16 of Act No. 22/1997 Coll., on technical requirements for products and on changes and amendments to some Acts, as amended

CERTIFICATE OF ACCREDITATION

No. 653/2025

BD SENSORS s.r.o.
with registered office Hradišťská 817, 687 08 Buchlovice
Company Registration No. 49968416

for the Calibration Laboratory No. 2233
Calibration Laboratory

Scope of accreditation:

Calibration in the fields of pressure to the extent as specified in the appendix to this Certificate.

This Certificate of Accreditation is a proof of accreditation issued on the basis of assessment of fulfillment of the accreditation criteria in accordance with

ČSN EN ISO/IEC 17025:2018

In its activities performed within the scope and for the period of validity of this Certificate, the abovementioned Accredited Body is entitled to refer to this Certificate, provided that the accreditation is not suspended and the Accredited Body meets the specified accreditation requirements in accordance with the relevant regulations applicable to the activity of an accredited conformity assessment body.

This Certificate of Accreditation replaces, to the full extent, Certificate No.: 469/2023 of 01/09/2023, and/or any administrative acts building upon it.

The Certificate of Accreditation is valid until: **20/04/2028**

Prague: 16/12/2025



Signed in the Czech original:
Jan Velíšek on 16/12/2025

Jan Velíšek
Director of the Department
of Testing and Calibration Laboratories
Czech Accreditation Institute

This translation of the Czech original has been issued by: Eliška Frycová

Accredited entity according to ČSN EN ISO/IEC 17025:2018:

BD SENSORS s.r.o.
CAB number 2233, Kalibrační laboratoř
Hradišťská 817, 687 08 Buchlovice

CMC for the field of measured quantity: Pressure

Ordinal number ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand		Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Workp lace
		min	unit	max.	unit						
1	Mechanical pressure gauges and electromechanical manometers					gauge pressure	gas	$2.5 \cdot 10^{-5} \cdot (p_{\text{amb}} - p_{\text{e}}) + 1.4 \text{ Pa}$ $6 \cdot 10^{-5} \cdot p_{\text{e}} $ 0.6 Pa $8 \cdot 10^{-5} \cdot p_{\text{e}} $ 0.11 Pa $8 \cdot 10^{-5} \cdot p_{\text{e}}$ $2.5 \cdot 10^{-5} \cdot p_{\text{e}} + 0.2 \text{ Pa}$ $2.5 \cdot 10^{-5} \cdot p_{\text{e}} + 2 \text{ Pa}$ $6 \cdot 10^{-5} \cdot p_{\text{e}}$	EURAMET cg-17	KP-801, KP 802	
		-94 kPa	to	-45.9 kPa							
		-45.9 kPa	to	-10 kPa							
		-10 kPa	to	-7.5 kPa							
		-7.5 kPa	to	-1.35 kPa							
		-1.35 kPa	to	1.35 kPa							
		1.35 kPa	to	5 kPa							
		5 kPa	to	350 kPa							
		0.35 MPa	to	7 MPa							
		7 MPa	to	20 MPa							
		0.01 kPa	to	5 kPa		absolute pressure	gas	1.5 Pa $2.5 \cdot 10^{-5} \cdot p + 1 \text{ Pa}$ $2.5 \cdot 10^{-5} \cdot p + 2 \text{ Pa}$ $6 \cdot 10^{-5} \cdot p + 5 \text{ Pa}$			
		5 kPa	to	350 kPa							
		0.35 MPa	to	7 MPa							
		7 MPa	to	20 MPa							
		0.4 MPa	to	2 MPa		gauge pressure	liquid	0.16 kPa $8 \cdot 10^{-5} \cdot p_{\text{e}}$ $1.2 \cdot 10^{-4} \cdot p_{\text{e}}$			
		2 MPa	to	100 MPa							
		100 MPa	to	250 MPa							
		0.4 MPa	to	2 MPa		absolute pressure	liquid	0.16 kPa $8 \cdot 10^{-5} \cdot (p - p_{\text{amb}})$ $1.2 \cdot 10^{-4} \cdot (p - p_{\text{amb}})$			
		2 MPa	to	100 MPa							
100 MPa	to	250 MPa									

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BD SENSORS s.r.o.
CAB number 2233, Kalibrační laboratoř
Hradišťská 817, 687 08 Buchlovice

Ordinal number ¹	Calibrated quantity / Subject of calibration	Nominal range				Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty ²	Calibration principle	Calibration procedure identification ³	Workplace
		min	unit	max.	unit					
2	Piston gauges	-95 kPa	to	-10 kPa		gauge pressure	gas	EURAMET cg-3 (cross-floating method, calculation of the effective area of the pressure balance and mass of the weights)	KP-803	
		-10 kPa	to	-3 kPa						
		5 kPa	to	350 kPa						
		0.35 MPa	to	7 MPa						
		7 MPa	to	20 MPa						
		0.1 MPa	to	1.5 MPa		gauge pressure	liquid			
		1.5 MPa	to	100 MPa						
		100 MPa	to	250 MPa						

¹ Asterisk at the ordinal number identifies the calibrations, which the Laboratory is qualified to carry out outside the permanent laboratory premises.

² The expanded measurement uncertainty is in accordance with ILAC-P14 and EA-4/02 M a part of CMC and it is the lowest value of the respective uncertainty. If not stated otherwise, its coverage probability is approx. 95 %. If not stated otherwise, the uncertainty values stated without a unit are relative to the measured value. The uncertainty value stated herein is based on the best conditions achievable by the laboratory; the uncertainty value of a specific calibration may be higher depending on the conditions of such a calibration. For identical extreme values of adjacent ranges, the lower uncertainty value always applies.

³ If the document identifying the calibration procedure is dated only these specific procedures are used. If the document identifying the calibration procedure is not dated, the latest edition of the specified procedure is used (including any changes).

p absolute pressure
 p_{amb} ambient pressure
 p_e gauge pressure, $p_e = (p - p_{amb})$

"This document is an appendix to the certificate of accreditation. In case of any discrepancies between the English and Czech versions, the Czech version shall prevail, both for the certificate appendix and the certificate itself."