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

BD SENSORS s.r.o.
Calibration Laboratory
Hradišťská 817, 687 08 Buchlovice

CMC for the field of measured quantity: Pressure, mechanical stress

Ord. number[1]	Calibrated quantity / Subject of calibration	Nominal range min.	unit		max.	unit	Parameter(s) of the meas. quantity		Lowest expanded measurement uncertainty specified[2]	Calibration principle	Calibration procedure identification[3]	Work place
1	Mechanical pressure gauges and electromechanical manometers	-94	kPa	up to	-45.9	kPa	gauge pressure	gas	$2.5 \cdot 10^{-5} \cdot (p_{amb} - \lvert p_e \rvert) + 1.4$ Pa	Comparison with the standard	KP-801 KP-802	
		-45.9	kPa	up to	-10	kPa			$6 \cdot 10^{-5} \cdot \lvert p_e \rvert$			
		-10	kPa	up to	-7.5	kPa			0.6 Pa			
		-7.5	kPa	up to	-1.35	kPa			$8 \cdot 10^{-5} \cdot \lvert p_e \rvert$			
		-1.35	kPa	up to	1.35	kPa			0.11 Pa			
		1.35	kPa	up to	5	kPa			$8 \cdot 10^{-5} \cdot p_e$			
		5	kPa	up to	350	kPa			$2.5 \cdot 10^{-5} \cdot p_e + 0.2$ Pa			
		0.35	MPa	up to	7	MPa			$2.5 \cdot 10^{-5} \cdot p_e + 2$ Pa			
		7	MPa	up to	20	MPa			$6 \cdot 10^{-5} \cdot p_e$			
		0.01	kPa	up to	5	kPa	absolute pressure	gas	1.5 Pa			
		5	kPa	up to	350	kPa			$2.5 \cdot 10^{-5} \cdot p + 1$ Pa			
		0.35	MPa	up to	7	MPa			$2.5 \cdot 10^{-5} \cdot p + 2$ Pa			
		7	MPa	up to	20	MPa			$6 \cdot 10^{-5} \cdot p + 5$ Pa			
		0.4	MPa	up to	2	MPa	gauge pressure	liquid	0.16 kPa			
		2	MPa	up to	100	MPa			$8 \cdot 10^{-5} \cdot p_e$			
		100	MPa	up to	400	MPa			$1.2 \cdot 10^{-4} \cdot p_e$			
		0.4	MPa	up to	2	MPa	absolute pressure	liquid	0.16 kPa			
		2	MPa	up to	100	MPa			$8 \cdot 10^{-5} \cdot (p - p_{amb})$			
		100	MPa	up to	400	MPa			$1.2 \cdot 10^{-4} \cdot (p - p_{amb})$			

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Ord. number[1]	Calibrated quantity / Subject of calibration	Nominal range					Parameter(s) of the meas. quantity		Lowest expanded measurement uncertainty specified[2]	Calibration principle	Calibration procedure identification[3]	Work place
		min.	unit		max.	unit						
2	Piston gauges	-95	kPa	up to	-10	kPa	gauge pressure	gas	$6 \cdot 10^{-5} \cdot \lvert p_e \rvert$	Comparison with the standard	KP-803	
		-10	kPa	up to	-3	kPa			0.6 Pa			
		5	kPa	up to	350	kPa			$2.5 \cdot 10^{-5} \cdot p_e + 0.2$ Pa			
		0.35	MPa	up to	7	MPa			$2.5 \cdot 10^{-5} \cdot p_e + 2$ Pa			
		7	MPa	up to	20	MPa			$6 \cdot 10^{-5} \cdot p_e$			
		0.4	MPa	up to	2	MPa	gauge pressure	liquid	0.16 kPa			
		2	MPa	up to	100	MPa			$8 \cdot 10^{-5} \cdot p_e$			
		100	MPa	up to	400	MPa			$1.2 \cdot 10^{-4} \cdot p_e$			

[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, 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 value measured. If the calibration is carried out outside the laboratory premises, the measurement uncertainty may be affected.

[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 measured value of absolute pressure
p_{amb} ambient pressure value
p_e measured value of gauge pressure, $p_e = (p - p_{amb})$
KP-801 Calibration guide for the calibration of mechanical pressure gauges according to ČSN EN 837-1, ČSN EN 837-3 and EURAMET cg-17, version 3.0
KP-802 Calibration guide for the calibration of electromechanical manometers including the testing of effects of temperature in the range –40 °C to 180 °C and relative humidity in the range 10% to 98% according to EURAMET cg-17, version 3.0
KP-803 Calibration guide for the calibration of piston gauges according to EURAMET cg-3, version 1.0