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

JSP, s.r.o.
CAB number 2362, Calibration laboratory
Raisova 547, Holínské Předměstí, 506 01 Jičín

CMC for the field of measured quantity: Pressure

Ord. number[1]	Calibrated quantity / Subject of calibration	Nominal range min.	unit		max.	unit	Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Location
1*	Deformation and digital manometers, pressure transducers and pressure measuring chains	-95 kPa	to	-7 kPa			relative pressure gas	0.04 %	Comparison with a standard calibrator	KL-PM-0101	
		-7 kPa	to	14 kPa				0.0028 kPa			
		14 kPa	to	14 MPa				0.02 %			
		14 MPa	to	60 MPa			relative pressure liquid	0.03 %	Comparison with a piston manometer		
		60 MPa	to	70 MPa				0.1 %	Comparison with a digital manometer		
		5 kPa	to	70 kPa			absolute pressure gas	0.028 kPa	Comparison with a standard calibrator		
		70 kPa	to	14 MPa				0.02 % + 0.014 kPa			
		14 MPa	to	60 MPa			absolute pressure liquid	0.03 % + 0.1 kPa	Comparison with a piston manometer		
		60 MPa	to	70 MPa				0.10 % + 0.1 kPa	Comparison with a digital manometer		

[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).

Český institut pro akreditaci, o.p.s.
NÁRODNÍ AKREDITAČNÍ ORGÁN
-3-

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

JSP, s.r.o.
CAB number 2362, Calibration laboratory
Raisova 547, Holínské Předměstí, 506 01 Jičín

CMC for the field of measured quantity: Temperature

Ord. 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]	Location
		min.	unit	max.	unit					
1*	Resistance temperature sensors (with/without a transducer), direct indicating thermometers and measuring chains with resistance temperature sensors			-196	°C		0.15 °C	Comparison with a Pt100 standard in liquid baths and dry block calibrators	KL-PM-0001	
		-196	°C to	-40	°C		0.20 °C			
		-40	°C to	0	°C		0.05 °C			
				0	°C		0.04 °C			
		0	°C to	100	°C		0.05 °C			
		100	°C to	200	°C		0.06 °C			
		200	°C to	300	°C		0.15 °C			
		300	°C to	420	°C		0.18 °C			
		420	°C to	660	°C		0.23 °C			
2*	Thermoelectric temperature sensors (with/without a transducer), direct indicating thermometers and measuring chains with thermocouples	-196	°C to	-40	°C		0.6 °C	Comparison with a Pt100 standard in liquid baths and dry block calibrators	KL-PM-0002	
		-40	°C to	200	°C		0.3 °C			
		200	°C to	400	°C		0.6 °C			
		400	°C to	660	°C		0.9 °C			
		400	°C to	900	°C		0.9 °C	Comparison with standard thermocouples S, B, Pt-Pd in horizontal ovens		
		900	°C to	1,100	°C		1.0 °C			
		1,100	°C to	1,200	°C		1.5 °C			
		1,200	°C to	1,400	°C		2.0 °C			
		1,400	°C to	1,553	°C		2.8 °C			

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

JSP, s.r.o.
CAB number 2362, Calibration laboratory
Raisova 547, Holínské Předměstí, 506 01 Jičín

Ord. number[1]	Calibrated quantity / Subject of calibration	Nominal range min.	unit		max.	unit	Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Location
3*	Dial thermometers	-40 °C 200 °C 500 °C		to to to	200 °C 500 °C 660 °C			0.2 °C 0.7 °C 1.2 °C	Comparison with a Pt100 standard in liquid baths and dry block calibrators	KL-PM-0005	

[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).

Český institut pro akreditaci, o.p.s.
NÁRODNÍ AKREDITAČNÍ ORGÁN
-3-

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

JSP, s.r.o.
CAB number 2362, Calibration laboratory
Raisova 547, Holínské Předměstí, 506 01 Jičín

CMC for the field of measured quantity: Air humidity

Ord. number[1]	Calibrated quantity / Subject of calibration	Nominal range min	unit		max	unit	Parameter(s) of the measurand	Lowest stated expanded measurement uncertainty[2]	Calibration principle	Calibration procedure identification[3]	Location
1*	Relative humidity / hygrometers and measuring chains incl. humidity probes	5 % RH	to		30 % RH		Air Temperature (7 to 60) °C	1.2 % RH	Comparison with a reference hygrometer	KL-PM-0201	
		30 % RH	to		50 % RH			1.3 % RH			
		50 % RH	to		70 % RH			1.4 % RH			
		70 % RH	to		80 % RH			1.5 % RH			
		80 % RH	to		90 % RH			1.6 % RH			
		90 % RH	to		95 % RH			1.8 % RH			

[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).

Český institut pro akreditaci, o.p.s.
NÁRODNÍ AKREDITAČNÍ ORGÁN
-3-

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

JSP, s.r.o.
CAB number 2362, Calibration laboratory
Raisova 547, Holínské Předměstí, 506 01 Jičín

CMC for the field of measured quantity: Electrical quantities

Ord. 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]	Location
		min	unit	max	unit					
1*	Measurement and simulation of temperature sensor signals (resistance temperature sensors, thermocouple temperature sensors)	0 Ω 600 Ω -10 mV	to to to	600 Ω 6,000 Ω 100 mV			0.007 % + 3 mΩ 0.007 % + 30 mΩ 0.004 % + 1.7 µV	Comparison with a reference multimeter	KL-PM-0006	
	Measurement and simulation of unified output signals	0 V 0 mA	to to	10 V 20 mA			0.0035 % + 47 µV 0.005 % + 0.0008 mA	Comparison with a reference multimeter Indirect current measurement		

[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).