

Accreditation scope

Name of the accredited subject: **PREMATLAK, a.s.**
Calibration laboratory
 916 27 Častkovce 350

Laboratory with a fixed accreditation scope.

Item	Type of gauge, means of measurement	Measurement range	Expanded uncertainty $U(k=2)$	Established methods		Other specifications
				Type/Principle	Label	
1	Direct indication pressure gauges (deformation and digital)	(-10 to 10) kPa (-100 to -10) kPa (10 to 100) kPa (70 to 700) kPa (0,1 to 6,0) MPa (2,0 to 120) MPa	0,04 kPa $2 \cdot 10^{-4} \cdot p$ $2 \cdot 10^{-4} \cdot p$ $5 \cdot 10^{-4} \cdot p$ $5 \cdot 10^{-4} \cdot p$ $5 \cdot 10^{-4} \cdot p$	Direct comparison with a piston-type pressure gauge	PP/PTL/KL/5.4/01	Calibrated in a laboratory
2	Pressure transducers	(-10 to 10) kPa (-100 to -10) kPa (10 to 100) kPa (70 to 700) kPa (0,1 to 6,0) MPa (2,0 to 120) MPa	0,04 kPa $2 \cdot 10^{-4} \cdot p$ $2 \cdot 10^{-4} \cdot p$ $5 \cdot 10^{-4} \cdot p$ $5 \cdot 10^{-4} \cdot p$ $5 \cdot 10^{-4} \cdot p$	Direct comparison with a piston-type pressure gauge	PP/PTL/KL/5.4/02	Calibrated in the laboratory
3	Callipers	(0 to 1000) mm	Digital with scale graduation 0,01 mm $(18 + 1,1 \cdot L) \mu\text{m}$ for graduation 0,02 mm $(33 + 0,6 \cdot L) \mu\text{m}$ for graduation 0,05 mm $(76 + 0,3 \cdot L) \mu\text{m}$ for graduation 0,1 mm $(154 + 0,2 \cdot L) \mu\text{m}$	Direct comparison of gauge with gauge blocks	PP/PTL/KL/5.4/03/DL	Calibrated in the laboratory
4	Micrometre gauges	(0 to 400) mm	For scale graduation 0,01 mm $(3,3 + 2,1 \cdot L) \mu\text{m}$ For scale graduation 0,001 mm $(1,6 + 3,5 \cdot L) \mu\text{m}$	Direct comparison of gauge with gauge blocks	PP/PTL/KL/5.4/04/DL	Calibrated in the laboratory
5	Roller limit gauge	(0,1 to 100) mm	$(2,4 + 3,5 \cdot L) \mu\text{m}$	Direct measurement of gauge with micrometres	PP/PTL/KL/5.4/05/DL	Calibrated in the laboratory
			$(1,7 + 2,5 \cdot L) \mu\text{m}$	Direct measurement with distance gauge		



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6	Thread gauge	(3 to 100) mm	$(2,8 + 3,3 \cdot L) \mu\text{m}$	Direct measurement of gauge with micrometres using measuring wires	PP/PTL/KL/5.4/06/DL	Calibrated in the laboratory
7	Limit snap gauges	(3 to 500) mm	$(2,7 + 1,8 \cdot L) \mu\text{m}$	Direct comparison with gauge blocks	PP/PTL/KL/5.4/07/DL	Calibrated in the laboratory
8	Smooth rings	(10 to 200) mm	$(2,7 + 0,8 \cdot L) \mu\text{m}$	Direct comparison with ring standard	PP/PTL/KL/5.4/08/DL	Calibrated in the laboratory
9	Threaded rings	(M12 to M100) mm	$(2,1 + 1,7 \cdot L) \mu\text{m}$	Direct measurement with distance gauge	PP/PTL/KL/5.4/09/DL	Calibrated in a laboratory
10	Dial and lever- type dial indicators	to 200 mm	$(2,2 + 0,8 \cdot L) \mu\text{m}$	Direct measurement with distance gauge	PP/PTL/KL/5.4/10/DL	Calibrated in a laboratory

Note:

p - Measured value of pressure

L - Length in meters

