MD.101.	
Title	Deformation vacuum gauge
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	DECISION on registration of industrial designs
Patent no.	Vacuumetru
	Nr. F 2019 0041 2019.05.23 Date of publication: 2019.09.30
	To improve the accuracy of low pressure measurements, a
	VD-10 tensoresistive vacuum gauge sample has been
	developed and constructed; the gauge includes a measuring
	unit and a transducer, the sensitive element of which is a
	silicon crystal in the middle part of which a thin membrane
Description	with tensoresistors placed on the outer surface is formed.
EN	To decrease the dependence on the ambient temperature, a
	circuit consisting of a transistor and resistors is formed on
	the crystal; the circuit provides power to the bridge circuit
	with a temperature-dependent voltage to compensate for the
	drift. In addition, temperature fluctuations are recorded by
	the measuring unit for additional software correction.
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