Accreditation Scope

Pressure Calibration

LB-CAL-040

PHI Sigma Calibration

407, Habib AG Zurich Bank Building, Bank Street

Bur Dubai, Dubai-United Arab Emirates

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Calibration Field/ Measuring Quality	Calibration Method	Range and Specification	Calibration Measurement Capability (CMC)*	Location
Hydraulic gauge pressure, indicating and electrical output devices	Comparison Method acc. to DKD R6-1-2014 PSC-SOP-PR-01 and PSC-SOP-PR-02	4 MPa < p ≤ 70 MPa	24 kPa	Laboratory/ Customer Premises
		0 MPa≤ p ≤ 4 MPa	2 kPa	
Gas differential pressure, indicating and electrical output devices	Comparison Method acc. to DKD R6-1-2014 PSC-SOP-PR-01 and PSC-SOP-PR-02	- 4.9 kPa ≤ p < 4.9 kPa	17 Pa	
Vacuum, indicating and electrical output devices	Comparison Method acc. to DKD R6-1-2014 PSC-SOP-PR-01 and PSC-SOP-PR-02	- 94 kPa ≤ p < 0	1.2 kPa	

* Calibration and Measurement Capability (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. Calibration and Measurement Capabilities represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of k = 2. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.