

## 10.15 Scope of Accreditation

Issue No: 1/ Issue Date: 20-05-2021

File Manager: Hamza Khan

GAC



ACCREDITED  
**CALIBRATION**  
 ISO/IEC 17025:2017  
 No. ACL 0020

### Calibration Laboratory Accreditation No. ACL 0020

is accredited by the GCC Accreditation Center (GAC) in accordance with the recognized International Standard ISO/IEC 17025:2017, "General requirements for the competence of testing and calibration laboratories"

WIKA SAUDI ARABIA SERVICES LLC - Calibration- Laboratory	
Address Al Esnad Street Mjlis Attaaon Plan SH. KH 564, Al Khobar, Eastern Province, Kingdom of Saudi Arabia	Contact: <b>MOHAMMAD KHAIZ</b> Tel: <b>+966 13 808 2229</b> Fax: <b>+966 13 808 2292</b> Email: <a href="mailto:info@wika.sa">info@wika.sa</a> Web Address: <a href="http://www.wika.sa">www.wika.sa</a>

**Locations where calibration activities covered by the above Accreditation Standard are undertaken**

Address: Al Esnad Street Mjlis Attaaon Plan SH. KH 564, Al Khobar, Eastern Province, Kingdom of Saudi Arabia

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**For the following scope:**

**1. Calibration**

1.20 Pressure and Vacuum Measuring Devices

1.80 Calibration of temperature measuring equipment

Scope details are as follows:

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### Calibration field 1: Pressure

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Hydraulic Relative Pressure	(6 to 60) bar	$1.4 \cdot 10^{-4} \times p$	DKD R-6-1 (2014) + Internal procedure WSAL.WI.001 #with Hydraulic Deadweight tester#	Electromechanical pressure gauges, transmitters, switches	P
	(> 60 to 1000) bar	$3.4 \cdot 10^{-4} \times p$			
	(> 1000 to 2600) bar	$2.2 \cdot 10^{-4} \times p$			
Pneumatic Relative Pressure	(0.02 to 100) bar	$1.2 \cdot 10^{-4} \times p$	DKD R-6-1 (2014) + Internal procedure WSAL.WI.002 #with Pneumatic Dead weight tester#		
	(-1 to -0.03) bar	$1.1 \cdot 10^{-4} \times p$			
Absolute Pressure	(0 to 2.2) bar	$1.1 \cdot 10^{-4}$ bar	DKD R-6-1 (2014) + Internal procedure WSAL.WI.003 #with Absolute Pressure Controller#		
Hydraulic Relative Pressure	(0 to 100) bar	15 mbar	DKD R-6-1 (2014) + Internal procedure WSAL.WI.004 & WSAL.WI.006	Electromechanical pressure gauges, transmitters, switches	S
	(> 100 to 400) bar	54 mbar			
	(> 400 to 1000) bar	0.23 bar			
Pneumatic Relative Pressure	(-0.9 to 0) bar	$1.7 \cdot 10^{-4}$ bar	DKD R-6-1 (2014) + Internal procedure WSAL.WI.004 & WSAL.WI.006		
	(0 to 1.5) bar	0.50 mbar			
	(> 1.5 to 9) bar	2.0 mbar			
	(> 9 to 25) bar	8.0 mbar			
Pneumatic Differential Pressure	(-120 to 120) mbar	0.035 mbar	DKD R-6-1 (2014) + Internal procedure WSAL.WI.003 #with Differential Pressure Controller#	Electromechanical pressure gauges, transmitters, switches	P and S
	(-300 to 300) mbar	0.077 mbar			

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### Calibration field 2: Temperature.

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *
Temperature	(-35 to 165) °C	0.16 °C	Internal procedure WSAL.WI.005 #Using Dry well calibrator#	Temperature Sensors RTD with /without Indicator	P
	(100 to 500) °C	0.2 °C			
Temperature	(-35 to 165) °C	0.3 °C	Internal procedure WSAL.WI.005 #Using Dry well calibrator#	Temperature Sensors thermocouple with /without Indicator	P
	(100 to 600) °C	0.4 °C			
	(> 600 to 1100) °C	4.2 °C			
Temperature	(-35 to 165) °C	0.4 °C	Internal procedure WSAL.WI.005 #Using Dry well calibrator#	Dial temperature gauges	P
	(> 165 to 500) °C	0.93 °C			

\*: Put only 'P', 'S' or 'P and S'

\*\*Calibration and Measurement Capability Uncertainty (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. CMC's 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.

**Note:** the text in blue indicates the new scope OR update in the Edition of a method in this issue of the scope of accreditation.

### Log of Suspended Scopes:

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### Log of Withdrawn Scopes:

Measurand	Measuring Range	CMC Expressed as an Expanded Uncertainty (k = 2) **	Method (standard/guide + internal procedure)	Type of Instrument or Material	Permanent lab (P) / Client-site (S) *	Date Withdrawn

**END**

This conformity assessment body (CAB) is recorded as issuing GAC accredited certificates to organizations in the countries listed below. This list is current at the time of issue of this schedule.

United Arab Emirates	Bahrain	Saudi Arabia	Oman	Qatar	Kuwait	Yemen