

Serial Number: 10705

Asset Number: 010705

Procedure: PRESSURE GAGES - 29 MAR 06

Work Order: 303094638 Date Issued: 26-May-2010 Pate Calibrated: 26-May-2010 * Date Due : 26-May-2011 ** Results: FOUND-LEFT Temperature: 68.0 °F Humidity: 40 %RH Barometer: N/A

This certificate documents traceability to the National Institute of Standards and Technology (NIST) and the International System of Units (SI). The Laboratory quality system conforms to ISO/IEC 17025, 2005, ANSI/NCSL Z540-1-1994 and relevant requirements of the ISO 9000-2000 standard. This certificate shall not be reproduced, except in full, without the written approval of the Southwest Research Institute Calibration Laboratory. This certificate shall not be used to claim product endorsement by Southwest Research Institute, American Association for Laboratory Accreditation (A2LA) or any agency of the U. S. Government. Results of this calibration relate only to the instrument described above at the time of calibration and does not imply any long term stability of the instrument.

*Determined by the customer, does not imply the instrument will remain within tolerance as any number of factors may cause an out-of-tolerance condition before this date. **Data type found in this certificate or attached measurement report must be interpreted as: Found-left - adjustment and/or repair was not performed, As-found - data is before unit is adjusted and/or repaired, As-left - data is after adjusted and/or repaired was performed. The customer has sole responsibility for determination of in-/out-of-tolerance or compliance/noncompliance.

Measurement uncertainty calculated in accordance with the method described in the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM), for a confidence level of approximately 95 percent using a coverage factor of k=2.

Remarks: ASME Grade B Tolerance (2% Middle Half, 3% First and Last Quarter of Dial.) Referenced to 0°C.

Standards Used

<u>Asset # Manufacturer</u> 005259 MENSOR <u>Model</u> 5014

Description PRESSURE CALIBRATOR
 Cal Date
 Due Date

 21-May-2010
 21-Nov-2010

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Laboratory Manager m:\A2LA OCT_08.rpt

Perry Carpenter Metrology Technician

Southwest Research Institute Calibration Laboratory Measurement Report

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Work Order:		303094638	Mfr:	Wika		Tech:	PWC	
Asset No:		010705	Model:	0 to 30 inHg		Type Data:	Found-	left
Serial No:		10705	Туре:	Vacuum Gauge		Cal Date:	26-May-10	
Remarks: A	SME Gra	ade B Tolerance	(2% Middle Hal	f, 3% First and Las	t Quarter of I	Dial) Referenced	to 0 °C.	
Function/R	ange	Test Point	TI Reading	Difference	± Limit	± Uncertainty	Result	% Limit
Pressure		in/Hg	in/Hg	in/Hg	in/Hg	in/Hg		
		0.0	0.0	0.0	0.9	0.13	Pass	0%
		7.5	7.6	0.1	0.6		Pass	17%
		15.0	15.1	0.1	0.6		Pass	17%
		22.5	22.8	0.3	0.6		Pass	50%
		28.5	28.5	0.0	0.9		Pass	0%
		22.5	22.8	0.3	0.6		Pass	50%
		15.0	15.1	0.1	0.6		Pass	17%
		7.5	7.5	0.0	0.6		Pass	0%
		0.0	0.0	0.0	0.9		Pass	0%

END OF REPORT