



meriam
process technologies

a Scott Fetzer company

A36637- 81 - 77

E.O. 5706

Date of Issue: 2/18/2009

Certificate of Calibration
Smart Manometer M200 (0.05%)

Certification Date: 2/17/2009

Model Number/Range: DI0001 / 0-1 PSI

Recertification Date: 8/17/2010

Serial Number: 0902000022

Sensor I.D. 081201001

The Meriam Instrument Company hereby certifies the accuracy of the above listed instrument to be $\pm 0.05\%$ of F.S. [includes combined effects of linearity, repeatability, hysteresis, and temperature]. This accuracy was verified in accordance with Meriam Instrument procedure A35924 and is traceable to the National Institute of Standards and Technology through the below listed laboratory standards.

Standard #1: TL-1467 Piston/Mass Set 53015

Standard #2: N/A

Standard #3: N/A

Standard #4: N/A

Standard #5: N/A

Standard #6: N/A

Room Ambient Conditions: Temperature: $22^{\circ}\text{C} \pm 3^{\circ}\text{C}$

Relative Humidity: 10% - 55% RH

As Received Condition

☐ In Tolerance

☐ Out of Tolerance

☐ Inoperative

☒ N/A

As Left Condition

☒ In Tolerance

☐ Out of Tolerance

☐ Inoperative

Comments:

There are no special limitations of use imposed on this item due to calibration. We suggest the instrument be evaluated (Recertification Date), however, your particular quality system requirements may supersede this date.

This Certificate of Calibration is provided as support documentation for the customer and may not be reproduced, except in full, without written permission of the issuing organization.

The standards and calibration program are based on the guidelines of ANSI/NCSL Z540-1-1994 and ISO 17025.

Issued By: Jim Poorman

SMART INSTRUMENT QC EVALUATION FORM

(A35923)

1 PSI (0.05%FS DIST) RANGE

INSTRUMENT: Wet/Wet Smart Manometer

ZM200-DI0001 0902000022
MODEL # SIN

Sensor ID No.

031201001

FULL SCALE	23.0 in WC @ 20C
REF PRESSURE	0 in WC @ 20C
LOCAL GRAVITY	980.224 GALS
AIR DENSITY	0.0011925 g/cm^3
BRASS DENSITY	8.3909 g/cm^3
K factor	2.24809E-06 lb/g^cm/sec^2
TEMPERATURE	24 DEG. C

[illegible]

As Received _____
As Left ☒

INPUT PRESSURE

NOMINAL		TYPE	DWT REF		WEIGHTS USED																				GRAM WEIGHTS		ACTUAL PRESSURE		
In WC @	PSI	CAL/QC	DEADWEIGHT USED	VALID	A	B	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	USED	In WC @	PSI
20C	0.0000	QC	Ref to Atm.	▼	YES	1																						0.000	0.00000
6.0	0.2164	QC	AB52-LR	▼	YES	1																						5.538	0.19970
9.3	0.3354	QC	AB52-LR	▼	YES	1																						9.059	0.32669
14.0	0.5049	QC	AB52-LR	▼	YES	1																						13.756	0.49607
18.7	0.6744	QC	AB52-LR	▼	YES	1																						18.453	0.66546
23.3	0.8403	QC	AB52-LR	▼	YES	1																						23.148	0.83477
28.0	1.0097	QC	AB52-LR	▼	YES	1																						27.845	1.00414

ROOM TEMPERATURE EVALUATION

[illegible]

COMMENTS:

THE INSTRUMENT IDENTIFIED ABOVE HAS BEEN
CERTIFIED PER PROCEDURE A35924:

James E. Montach
TECHNICIAN
17 FEB 09
DATE

THIS CERTIFICATE MAY NOT BE REPRODUCED, EXCEPT IN FULL, WITHOUT THE WRITTEN PERMISSION OF THE ISSUING ORGANIZATION.
ALL STANDARDS USED IN THIS CERTIFICATION ARE N.I.S.T. TRACEABLE.

FORM VALID UNTIL 5/1/2009