Paroscientific, Inc.
Pressure Instrument Configuration

SN: 146581 Part Number: 1564-301 Model: MET4A Port:

Calibration Date: 21-Nov-25 Report No: 28466 Technician: WMR

Pressure Range: 500 to 1100 hPa Temperature Range: -40 to +60 deg C

Customer: University of Alaska
Address : 201 Railway Ave. P730
Seward, AK 99664 USA

Report Date: 21-Nov-25
Sales Order: 40594
S/R Number : 13186

Configuration

BL: 0	PT: N
BR: 9600	QD: -
DD: -	QO: -
DL: 0	SL: 0
DM: 0	SN: 146581
DO: 0	ST: 10
DP: 6	SU: 0
ID: 01	TI: 666
IM: -	TR: 952
LL: -	TU: 0
LH: -	UF: 1.000000
MC: Y	UL:
MD: 8	UM: user
MN: MET4A	UN: 3
OP: -	US: 0
PF: 1.103161	VR: M3.10
PI: 666	ZI: 0
PL: 19.00000	ZS: 0
PO: 0	ZL: 0
PR: 238	ZV: .000000
PS: 0	

Calibration Coefficients

U0:	5.806784	µsec
Y1:	-4041.64	deg C / µsec
Y2:	-9129.143	deg C / µsec^2
Y3:	0	deg C / µsec^3
C1:	96.48165	psi
C2:	4.277946	psi / µsec
C3:	-106.6632	psi / µsec^2
D1:	0.0340303	
D2:	0.0000000	
T1:	27.79397	µsec
T2:	0.612522	µsec / µsec
T3:	20.86147	µsec / µsec^2
T4:	0	µsec / µsec^3
T5:	0.000	µsec / µsec^4
TC:	0.6781676	
PA:	0.0000000	
PM:	1.0000000	

Met4/Met4A Coefficients

GD: 0	JC: .0000000	LN: 0
GT: 0	JD: .0	LO: 00:00:00
PC: -	JE: 0	LT: .0000000
HY: 2	JF: .0	LW: 0
H1: 20268722	JG: 0	PX: 3
S1: 1.000000	JJ: 0	
S2: 1.000000	JK: 0	
Z1: 0	JS: .0	
Z2: 0	JU: 0	

Paroscientific, Inc.
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Prepared by

PARO TEST 17

Digiquartz® Technology

Paroscientific, Inc.

Precision Pressure Instrumentation

Certificate of Calibration

Digiquartz® Model: MET4A

Serial Number(s): 146581

The Paroscientific Digiquartz® model identified above has been calibrated and tested with one or more of the following primary pressure standards. All have traceability to the National Institute of Standards and Technology (NIST) and to the SI.

Bell and Howell Primary Pressure Standard
Pneumatic Absolute or Gauge Dead Weight Tester Part Number: 6-201-0001, S/N 4034 and SN 1014

☐ Piston/Cylinder: 6-001-0002, P2-919/C2-1523
Weight Set 1: 6-002-0002
Range: 1.5 to 50 psi [10 to 345 kPa]
Accuracy: 0.010 percent of reading

☐ Piston/Cylinder: 6-001-0001, P2-949/C1-922
Weight Set 2: 6-002-0002
Range: 0.3 to 5 psi [2 to 34 kPa]
Accuracy: 0.015 percent of reading

☒ Piston/Cylinder: 6-001-0002, P2-652/C2-1378
Weight Set 1: 6-002-0002
Range: 1.5 to 50 psi [10 to 345 kPa]
Accuracy: 0.010 percent of reading

DH Primary Pressure Standard
Pneumatic Absolute or Gauge Dead Weight Tester Part Number: PG7601 S/N 161

☐ Piston/Cylinder: S/N 305, Mass Set: S/N 2052
Range: 0.7 to 50 psi [5 to 345 kPa] absolute mode, 0.29 to 50 psi [2 to 345 kPa] gauge mode
Accuracy: 0.002 percent of reading

DH Primary Pressure Standard
Pneumatic Gauge Dead Weight Tester, Model 5203, S/N 5557

☐ Piston/Cylinder: S/N 4845, Mass Sets: S/N 2032, S/N 3293
Range: 20 to 1600 psi [0.14 to 11 MPa]
Accuracy: 0.005 percent of reading

DH Primary Pressure Standard
Pneumatic Gauge Dead Weight Tester, Model 5306, S/N 3505

☐ Piston/Cylinder: S/N 3375, Mass Sets: S/N 2032
Range: 40 to 20000 psi [0.3 to 138 MPa]
Accuracy: 0.01 percent of reading above 200 psi [1.4 MPa] or 0.02 psi [0.14 kPa] at lower pressure

☐ Piston/Cylinder: S/N 3511, Mass Sets: S/N 2032
Range: 145 to 72500 psi [1 to 500 kPa]
Accuracy: 0.02 percent of reading above 725 psi [5 MPa] or 0.145 psi [1 kPa] at lower pressure

PARO TEST 17

Test Stamp **Date: 11/24/2025**

(425) 883-8700 4500 148th Ave. NE, Redmond, WA 98052 support@paroscientific.com

Paroscientific, Inc.

4500 148th Ave. NE
Redmond, WA 98052
Tel: (425) 883-8700 Fax: (425) 867-5407

Service Report Number: 13186

Rev. Initials: CDD **Rev. Date** 11/19/2025

Date Received: 10/9/2025

Tel: 401-207-6632

Company: UNIVERSITY OF ALASKA

Fax/Email: grmatthias@alaska.edu

Serial Number	Part Number	Model Number	Warranty	NCR	Original Zero Date	Customer Comment/ Reason for Return
146581	1564-301	MET4A	☐		8/8/2019	for calibration.

Customer Supplied Box

- ☐ YES
- ☑ NO

External Condition

- ☐ LIKE NEW
- ☑ FAIR
- ☐ POOR

Comments:

Offset Error (ppm): 26

Current Draw (mA): 173

Firmware Version: M3.10

Accessories Returned

- ☐ Cable
- ☐ Manual

Other: none

Pressure Port

- ☐ BLOCKED
- ☐ PARTIALLY BLOCKED
- ☑ CLEAR
- ☐ N/A-ACCELEROMETER

Comments:

Oil Level

- ☐ FULL
- ☐ OIL VISIBLE
- ☐ LOW OIL
- ☐ NO OIL VISIBLE
- ☑ N/A

Elec. Isolation:

- ☐ PASS
- ☐ FAIL
- ☑ N/A

MET Products

RH: 54.37

TEMP: 18.99

Analysis: The exterior surfaces of the unit have debris, paint is chipping and signs of corrosion. There is black tape that covers the LED panel. An incoming functional test was performed. Both RS-232/485 communications were established. The relative error of the pressure sensor was 26ppm when compared to a reference laboratory barometer. The aspirator fan is functional. The unique status setting is MD=8.

Recommendations: Wipe clean unit. Perform zero adjust calibration to the barometer which includes NIST certificate. Return with unique status setting MD=8. $1,500

Revisions: During rezero, it was found the intelligent board needs replaced.
Wipe clean unit. Replace intelligent board.Perform zero adjust calibration to the barometer which includes NIST certificate. Return with unique status setting MD=8.

Date Analysis Completed: 10/9/2025 **Completed By:** M. Hao

*Quotation is valid for one month from the "Date Analysis Completed." Products remaining at Paroscientific after 2 months will be returned and an evaluation fee will be charged for each product.

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