

Paroscientific, Inc.

Pressure Instrument Configuration

SN: 146582 Part Number: 1564-301 Model: MET4A Port:
 Calibration Date: 18-Sep-25 Report No: 28243 Technician: PL
 Pressure Range: 500 to 1100 hPa Temperature Range: -40 to +60 deg C

Customer: SEWARD MARINE CENTER P730 Report Date: 18-Sep-25
 Address : 201 Railway Ave. P730 Sales Order: 40474
 Seward, AK 99664 USA S/R Number : 13152

Configuration		Calibration Coefficients
BL: 0	PT: N	U0: 5.810645 μ sec
BR: 9600	QD: -	Y1: -3898.677 deg C / μ sec
DD: -	QO: -	Y2: -8714.596 deg C / μ sec ²
DL: 0	SL: 0	Y3: 0 deg C / μ sec ³
DM: 0	SN: 146582	C1: 96.26815 psi
DO: 0	ST: 10	C2: 4.313641 psi / μ sec
DP: 6	SU: 0	C3: -106.196 psi / μ sec ²
ID: 01	TI: 666	D1: 0.0315788
IM: -	TR: 952	D2: 0.0000000
LL: -	TU: 0	T1: 27.74697 μ sec
LH: -	UF: 1.000000	T2: 0.610670 μ sec / μ sec
MC: Y	UL:	T3: 18.21239 μ sec / μ sec ²
MD: 8	UM: user	T4: 0 μ sec / μ sec ³
MN: MET4A	UN: 3	T5: 0.000 μ sec / μ sec ⁴
OP: -	US: 0	TC: 0.6781674
PF: 1.103161	VR: M3.10	PA: 0.0000000
PI: 666	ZI: 0	PM: 1.0000000
PL: 19.00000	ZS: 0	
PO: 0	ZL: 0	
PR: 238	ZV: .000000	
PS: 0		

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: 20268816	JG: 0	PX: 3
S1: 1.000000	JJ: 0	
S2: 1.000000	JK: 0	
Z1: 0	JS: .0	
Z2: 0	JU: 0	

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Prepared by



Technology



Paroscientific, Inc.
Precision Pressure Instrumentation

Certificate of Calibration

Digiquartz® Model: MET4A

Serial Number(s): 146582

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



Test Stamp

Date: 9/18/2025



Paroscientific, Inc.
Precision Pressure Instrumentation

Certificate of Conformance

Customer: SEWARD MARINE CENTER P730
Purchase Order: EMAIL DT: 08/09/2025
Digiquartz® Model: MET4A
Part Number: 1564-301
Serial Number(s): 146582

Paroscientific, Inc. certifies that the part(s) identified above complies with the requirements of the above order and has been manufactured in accordance with engineering drawings, material and process specifications, testing procedures, and applicable specification drawing of Paroscientific, Inc.

The Digiquartz® model(s) identified has been calibrated and tested over the specified pressure and temperature range and meets the requirements of the applicable specification control drawing. Primary pressure, temperature, and transfer standards used at Paroscientific, Inc. for calibration and testing have traceability to the National Institute of Standards and Technology (NIST) and the SI through a National Metrology Institute, radiometric techniques, or natural physical constraints and are regularly checked and calibrated according to Paroscientific quality procedures and in accordance with the requirements of ISO 9001:2015.

Paroscientific
QA/Shipping
Inspection

10

**Quality Assurance
Shipping Inspection Stamp**

Date: 9/18/2025



Paroscientific, Inc.

Precision Pressure Instrumentation

Certificate of Traceability

Primary pressure and temperature standards used in the calibration and testing of Paroscientific Digiquartz® models have traceability to the National Institute of Standards and Technology and to the SI through the documentation below.

Calibration Instruments:

Bell and Howell Primary Pressure Standard:

Bell and Howell, Model 6-201-0001, Piston/Cylinder P2-919/C2-1523 via DH Calibration Report No. 15441, 16653 and 1500190591. Weight Set 1, P/N 6-002-0002, via DH Calibration Report No. 14481, 16654, 1284473284 and 1500190311. Weight Set 2, P/N 6-002-0002, via DH Calibration Report No. 31227, 39628, 68390, 1317389777, 1500156263, 1500195122 and 1500238176-1. Piston/Cylinder P2-d652/C2-1378 via DH Instruments Calibration Report No. 31226, 39627, 68389, 1317739617, 1500156259, 1500195119 and 1500238175. Piston/Cylinder P1-231/C1-384 via DH Instruments Calibration Report No. 13170 and 1284475131. Piston/Cylinder P/N 6-201, No. P1-949/C1-922, via DH Instruments Calibration Report 17176 and 17445.

DH Primary Pressure Standard, Oil Operated Gauge:

DH Instruments, Model 5306, Piston/Cylinder S/N 3375, via DH Calibration Certificate Report No. 32354, 45306, 66563, 1305698573, 1500163455 and 1500217726. Piston/Cylinder 3511 via DH Calibration Report No. 32353, 45307, 66562, 1305625084, 1500163363 and 1500217811. Mass Set S/N 2032 via DH Calibration Report No. 45305, 45308, 1305538925, 1305530461, 150016339, 1500163394 and 150021768.

DH Primary Pressure Standard, Pneumatic Operated Gauge:

DH Instruments, Model 5203, Piston/Cylinder S/N 4845, via DH Calibration Certificate No. 38275, 1300177141, 1500162809 and 1500217494. Mass Set S/N 2032/3293 via DH Calibration Certificate No. 45305, 1300200369, 1500162832 and 1500217766.

DH Primary Pressure Standard, Pneumatic Operated Gauge:

DH instruments, Model PG7601 via DH Instruments Calibration No. 69127, 1500172365 and 1500278487. Piston/Cylinder S/N 305 via DH Instruments Calibration No. 69125, 1500172367, 1500278543. DH Instruments 35 kg Mass Set No. 2052 and Bell No. 261A via DH Instruments Calibration Report No. 69126, 69124, 1500172362, 1500172363, 1500277884 and 1500277905.

Hygroclip S3 MET4/4A Part number 1560-XXX and 1561-XXX:

Humidity and Temperature calibrations are traceable to NIST through Rotronic Instrument Corporation; 160 E. Main Street, Huntington, NY 11743.

Hygroclip HC2-S3 MET4/4A Part number 1563-XXX and 1564-XXX Swiss Calibration Service (SCS)

Humidity and Temperature calibrations are traceable to SCS through Rotronic AG Grindelstrasse 6 8303 Bassersdorf Phone: 044-838-1111 E-mail: info@rotronic.ch