



120-56-C Automated UCA with SGSM

Order Number: 22954
 Serial Number: 513581-001
 Cell 1 S/N: 513810000002
 Cell 2 S/N: 5135810000001

Calibration Date: 10/15/2025
 Calibration Due Date: 10/15/2026

Thermocouple Calibration				°F or °C	°F		
Dry Block	100	200	400	Allowed Deviation	Actual Deviation	Pass / Fail	
Cell 1	100.0	200.6	400.6	2	0.6	Pass	
Cell 2	NA	NA	NA	2	#VALUE!	#VALUE!	
SGSM	99.3	198.8	398.2	2	1.8	Pass	
Thermocouple Serial Number Cell 1				0021467-01			
Thermocouple Serial Number Cell 2				NA			
Thermocouple Serial Number SGSM				0018473-03			

Dry Block Calibration I.D. # 700
 Model Number: ETC-400A
 Serial Number: 704749-02572

Calibration Due Date: 3/21/2026

Pressure Transducer / Gauge Calibration							
Gauge	Target Pressure	Master Gauge	Unit Gauge	Amulet Reading	Allowed Deviation	Actual Deviation	Pass / Fail
Cell 1	0	0	0	1	± 50 PSI	1 PSI	Pass
	1250	1221	1200	1242	± 50 PSI	50 PSI	Pass
	2500	2481	2500	2481	± 50 PSI	19 PSI	Pass
	3750	3720	3700	3727	± 50 PSI	50 PSI	Pass
Cell 2	0	0	0	-16	± 50 PSI	16 PSI	Pass
	1250	1239	1250	1250	± 50 PSI	11 PSI	Pass
	2500	2496	2500	2485	± 50 PSI	15 PSI	Pass
	3750	3755	3750	3741	± 50 PSI	14 PSI	Pass
Pressure Transducer Serial Number Cell 1					NA		
Pressure Transducer Serial Number Cell 2					NA		

Master Gauge Calibration I.D. # 161
 Model Number: M1 series
 Serial Number: 354953

Calibration Due Date: 5/15/2026

Ultrasonic Transducer Calibration						
	Avg. Expected TT (µs/in)	Avg. Actual TT (µs/in)	Applied Offset	Avg. Corrected TT (µs/in)	Allowed Deviation	Pass / Fail
Cell 1	16.990	17.550	-0.542	17.008	± 0.1 µs/in	Pass
Cell 2	NA	NA	NA	NA	± 0.1 µs/in	#VALUE!
Ultrasonic Transducer Serial Number Cell 1				1135525A - 1135525		
Ultrasonic Transducer Serial Number Cell 2				NA		

SGSM Load Cell Calibration					Number of SGSM	2
	Measured mV DC, For Applied Masses				r^2 Value	Pass / Fail
	0 g	100 g	200 g	400 g		
Cell 1	0 g	106 g	212 g	423 g	1	Pass
Cell 2	0 g	98 g	204 g	416 g	1	Pass
SGSM Head PCB Serial Number Cell 1					5390700000001	
SGSM Head PCB Serial Number Cell 2					5135810000001	

Motor Calibration Check			
RPM Set Value	30 RPM	Accepted Deviation	Pass / Fail
Tachometer Reading	30	± 1 RPM	Pass

Tachometer Calibration I.D. # 708

Model Number: R7050 Calibration Due Date: 2/6/2026
 Serial Number: 230832873

This report meets or exceeds the requirements outlined in API SP 13A Specification for Drilling-Fluid Materials for calibration of laboratory devices, using certified master test equipment that is traceable to NIST.

Calibrated By: Magdy Beshay Date: 10/15/2025

Approved By: Samantha Korenek Date: 10/15/2025