ASTM-E317 (Latest Edition)

CERTIFICATION

We certify that the instrument described has had its performance evaluated according to the procedures set forth by the manufacturer or procedures judged to be a suitable substitute. Where possible, data was obtained relating to the "as found" condition of the instrument. "Calibrated" readings were obtainedafter a recommended alignment procedure was performed. The equipment used in this certification have been calibrated with traceability to NIST.The customer should consider the uncertainty of the measurement in determining compliance. Any reported uncertainty is based on the standard uncertainty multiplied by a cover factor of K=2, providing a level of confidence of approximately ninety five percent.

Certification Date:	October 16, 2026	Expires:	October 16, 2027
Instrument:	SONATEST MASTERSCAN 333	Certification Officer:	Rodolfo Garza
Serial Number:	3401542C		(Rodolfo Garza)
Report Number:	R69473		
Received:	IN TOLERANCE		
Returned:	IN TOLERANCE		
Order Number:	007781		

PERFORMANCE SUMMARY

Vertical Limit	:	2.375" (100% of Full Scale)
Upper Linearity Limit	:	100% of Full Scale
Lower Linearity Limit	:	4% of Full Scale
Horizontal Limit	:	3.25" (100% of Full Scale)
Maximum Horizontal Non-Linearity	:	Less Than 2% of Full Scale
Horizontal Linear Range	:	100% of Full Scale
Sensitivity (#1-0300 FBH @ 60%)	:	+72.5 dB to 20% noise
Reserve Gain (#2-0300 FBH @80%)	:	+23.5 dB
Entry Surface Resolution	:	.250" (# 5 FBH)
Back Surface Resolution		.188" (slotted block)

VERTICAL LINEARITY DATA WITH EXTERNAL ATTENUATOR

DECREASING ATTENUATION				INCREASING ATTENUATION			
-dB	Hr %	Ht%	Hr%-Ht%	+dB	Hr%	Ht%	Hr%-Ht%
0	50	50	0	0	50	50	0
1	56	56	0	2	40	40	0
2	63	62	1	4	32	31	1
3	71	70	1	6	25	24	1
4	79	78	1	8	20	19	1
5	89	87	2	10	16	15	1
6	100	98	2	14	10	9	1
				18	6	5	1
				22	4	4	0

HORIZONTAL STANDARD % F.S.	LINEARITY MEASURED % F.S.	DATA DIFFERENCE %
0	0	0
10	10	0
20	20	0
30	30	0
40	40	0
50	50	0
60	60	0
70	70	0
80	80	0
90	90	0
100	100	0

Temperature: 72°
Humidity: 40%

NOTE: PRESCRIBED TOLERANCE IS + / - 5% OF FULL SCALE READING.
Please Contact Rodolfo Garza at (713) 451-6506 with your questions. Thank you for your business!

AIP
7100 N. LOOP EAST, SUITE A-6
HOUSTON, TX 77028

CUSTOMER NUMBER: 1782

P & B TESTING
6645 W. TIDWELL
HOUSTON, TX, 77092

NIST traceable certifications are maintained on site in our files.

NIST #	NIST #	NIST#	NIST#
QA092	QA113		QA091
QA093	QA139		QA134
QA094	QA098	QA054	QA057
QA099	QA097	QA053	
QA100	QA096	QA055	QA118
QA056			

ISO 10012:2003E

Buck Snider