

Hocker Incorporated

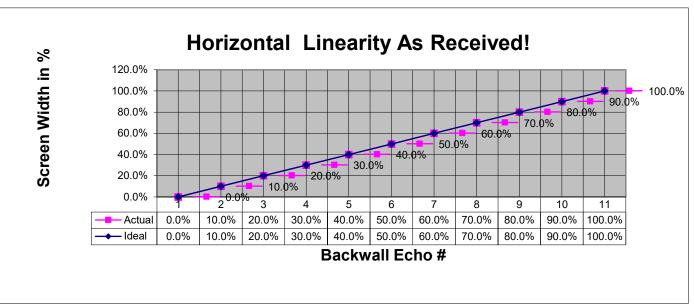
13402 Weiman Road Houston, TX 77041 713-464-5829 Fax 713-464-3192

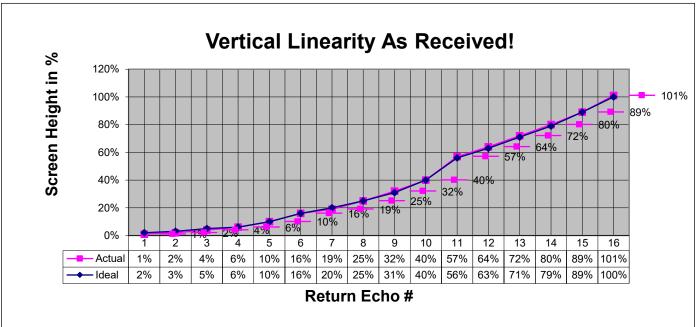
Customer PO #:	86404
Certification #:	23-1091
tion	Calibration Date:

ASTM E317-16 Performance Evaluation Ultrasonic Flaw Detector

9/5/2023

F-UTFL	Rev-0	Meets ASTM E317-16 Minimum Requirements?						Due Date:		
Company:	P&B Testing				Equipment Model &	Sonatest 250S		9/5/2024		
Address:	6645 W. Tid	dwell			Serial # SN I		09664	Equipment Condition As Found:		
	Houston							100	New	
,	Texas	Contact:		Buck Snyder		Lab Conditions:		X	Good	
Zip:	77092	Phone:		,		Temp: 70°F			Poor	
Country: USA Email:				_			50%		Failed	
Performance Evaluation Equipme			pment:	Serial:	NIST:	Cert. Bloc	ks C to G:	Serial:	NIST:	
Calib. I	alib. Block A ASTM-E		317 Block	SN 03-8399 03-19698-A		ASTM E127 1-0300		SN 15-8035	14-20265-A	
			ype RA	SN 04-5671 04-25714-A		ASTM E127 2-0300		SN 15-8036		
	ucer "A"	FCHR-50		SN 931/37 n/a		ASTM E127 3-0300		SN 15-8037	14-20203-A 14-21740-A	
	ucer "B"	PSLM-5050		SN 504/03	n/a	ASTM E127 4-0300		SN 15-8038		
	sducer "C" PSLM-505 ed Attenuator S/N: S0		383925	SN 424/20 n/a ASTM E127 5-03			SN 15-8039			
				NIST #: 1821-1022/1104681/9000-1439,1230,1336						
Horiz	zontai Li	mit Line	arity		ver	tical Lin	nit Linea	rity		
Horiz. Accuracy Limit + or - 2.0%					2.0%					
	ccuracy Re	-	Yes			ccuracy Re	_		Yes -1.0%	
	Accuracy De		0.0%		Vert. Accuracy Deviation					
Horiz. S	creen Widt	h used?	10"	Equipment Overall Pass/ Fail Result:					Pass	
% Horiz. Screen Width				%Vertical Screen Height						
Echo#	Actual %	Ideal	Deviation	Ideal %	Actual %	Ideal%	Actual%	Ideal%	Actual%	
1	0.0%	0.0%	0.0%	+1db	+1db steps -2db s		steps	-4db	Steps	
2	10.0%	10.0%	0.0%	50.0%	50.0%	50.0%	50.0%	16.0%	16.0%	
3	20.0%	20.0%	0.0%	56.0%	57.0%	40.0%	40.0%	10.0%	10.0%	
4	30.0%	30.0%	0.0%	63.0%	64.0%	31.0%	32.0%	6.0%	6.0%	
5	40.0%	40.0%	0.0%	71.0%	72.0%	25.0%	25.0%	5.0%	4.0%	
6	50.0%	50.0%	0.0%	79.0%	80.0%	20.0%	19.0%	3.0%	2.0%	
7	60.0%	60.0%	0.0%	89.0%	89.0%	16.0%	16.0%	2.0%	1.0%	
8	70.0%	70.0%	0.0%	100.0%	101.0%			ļ		
9	80.0%	80.0%	0.0%		Maximum Vertical Dev				-1.0%	
10	90.0%	90.0%	0.0%	-1.0/0						
11	100.0%	100.0%	0.0%							
				Test Bloc	Sensitivity & Noise Test Block Number Sig. Ampl. Break Pt. Noise Lvl.					
Accuracy Of Calibrated Gain Controls			ASTM E127 1-0300		60.0%	15.0%	1.0%	Hole Size 1/64		
ldeal	Actual	ldeal	Actual	ASTM E127 2-0300		60.0%	15.0%	1.0%	1/32	
1	1	10	10	ASTM E127 3-0300		60.0%	14.0%	1.0%	3/64	
2	2	12	12	ASTM E127 4-0300		60.0%	12.0%	1.0%	1/16	
4	4	14	14	ASTM E127 5-0300		60.0%	10.0%	1.0%	5/64	
6	6	20	20							
Near Surface Resolution at 80% Far Surfa			ce Resolution at 80%		Gain Control Deviation DB			0		
Depth	Break Pt.	Noise %	Depth	Break Pt.	Noise %	Max Noise Level			1.0%	
0.7"	7.0%	1.0%	.01"	19.0%	1.0%	(Sensitivity & Noise Test)				
0.5"	10.0%	1.0%	.02"	17.0%	1.0%	Max Noise Level 1.0%				
0.3"	18.0%	1.0%	.03"	16.0%	1.0%	(Resolution Test)			1.0 /0	





Notes.

This performance evaluation was done in accordance with ASTM-E317-16 and Hocker Incorporated procedure CP-UTFL Rev 0. Test equipment and calibration blocks used to perform this evaluation are traceable to the National Institute of Standards and Technology. NIST numbers listed in this document and supporting documentation is on file. This performance evaluation is made in conformance with ANSI/NCSL 2540.3-2006 and/or ISO 10012, and with 10CFR21.

Technician Signature: Roger Rimmons

Technician Performing Evaluation: Roger Kimmons Date: 9/5/2023

F-UTFL Rev-0 05/01/2018

Approval Signature: Derrick Schumann

Approved By: Derrick Schumann

An ISO 9001:2015 Registered Company