

Hocker Incorporated

13402 Weiman Road Houston, TX 77041 713-464-5829 Fax 713-464-3192 Customer PO #: 86832

Certification #: 24-1357

Calibration Date:

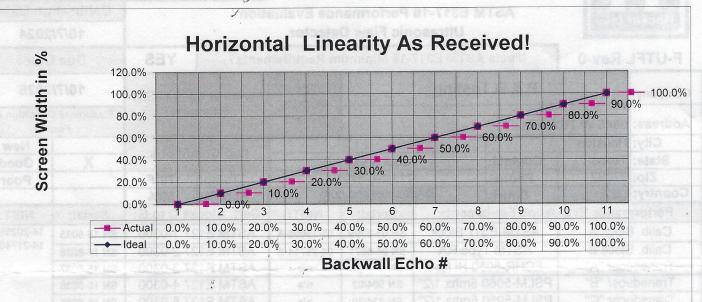
ASTM E317-16 Performance Evaluation Ultrasonic Flaw Detector

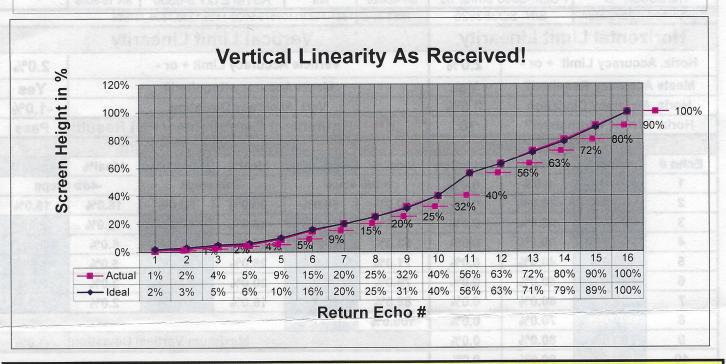
10/7/2024

F-UTFL Rev-0	Meets ASTM E317-16 Minimum Requirements?	YES	Due Date:

F-UTFL	Rev-0	Meets /	45 IN E317-	-16 Wilmimu	ili Kequireii	ieiits:	ILO	Duo 2	410
Company:		P & B Testing		Equipment Model & Sonatest	Sonatest M	S 333 S/N:	10/7/2025		
	6645 W.TIDWELL			Serial #		3401542C		Equipment Condition As Found:	
	Houston					Lab Com	ditional		New
State:		Contact:		Buck Snider		Lab Con	ditions.	X	Good
	77092	Phone:		713)290-8490	0	Temp:	70°F		Poor
Country:		Email:		pbtesting.		Hum.%:	50%		
		uation Equi		Serial:	NIST:	Cert. Blocks C to G:		Serial:	NIST:
		ASTM-E3		SN 03-8399 03-19698		ASTM E12	7 1-0300	SN 15-8035	14-20265-A 14-21740-A
Calib. E	A CONTRACT OF THE PARTY OF THE	ASTM-LS	A POST TOTAL CO.	SN 03-6399	A CONTRACTOR OF THE	ASTM E127 2-0300		SN 15-8036	
Calib. E				SN 931/37	n/a	ASTM E12		SN 15-8037	
Transducer "A" FCHR-509 Transducer "B" PSLM-5050		50 mhz 1/2"	SN 504/03	n/a	ASTM E12		SN 15-8038		
		PSLM-5050	1	SN 424/20	n/a	ASTM E12		SN 15-8039	
	ucer "C"	S/N: SC		NIST #:		09579/9000-143		Q1664	
	Attenuator			NIST#.		rtical Lim			
Horizontal Limit Linearity			2.0%	ELY PUB		Accuracy Li			2.0%
		Yes	and the exercise		Accuracy Re		120'4 g	Yes	
						Accuracy De			-1.0%
		0.0%			ent Overal		ail Result	Pass	
The same of the sa	Screen Widt		10"						ruce
%	Horiz. S	creen Wid	th			Vertical So			A atual9/
Echo#	Actual %	Ideal	Deviation	Ideal %	Actual %	Ideal%	Actual%	Ideal%	Actual%
1	0.0%	0.0%	0.0%	+1db	+1db steps -2db steps			Steps	
2	10.0%	10.0%	0.0%	50.0%	50.0%	50.0%	50.0%	16.0%	15.0%
3	20.0%	20.0%	0.0%	56.0%	56.0%	40.0%	40.0%	10.0%	9.0%
	30.0%	30.0%	0.0%	63.0%	63.0%	31.0%	32.0%	6.0%	5.0%
4		40.0%	0.0%	71.0%	72.0%	25.0%	25.0%	5.0%	4.0%
5	40.0%			79.0%	80.0%	20.0%	20.0%	3.0%	2.0%
6	50.0%	50.0%	0.0%				15.0%	2.0%	1.0%
7	60.0%	60.0%	0.0%	89.0%	90.0%	16.0%	15.0 /0	2.070	1.070
8	70.0%	70.0%	0.0%	100.0% 100.0%			4.00/		
9	80.0%	80.0%	0.0%	Maximum Vertical Deviation -1.0%			-1.0%		
10	90.0%	90.0%	0.0%						
11	100.0%	100.0%	0.0%	Sensitivity & Noise					
			0.0%	Test Blo	ck Number	Sig. Ampl.	Break Pt.	Noise Lvl.	Hole Siz
Maximum Horizontal Deviation 0.0% Accuracy Of Calibrated Gain Controls			127 1-0300	60.0%	15.0%	1.0%	1/64		
					127 2-0300	60.0%	16.0%	1.0%	1/32
Ideal	Actual	Ideal	Actual		127 2-0300	60.0%	17.0%	1.0%	3/64
1	1	10	10					1.0%	1/16
2	2	12	12	ASTM E127 4-0300		60.0%	17.0%		
4	4	14	14	ASTM E	127 5-0300	60.0%	18.0%	1.0%	5/64
6	6	20	20	150 does and with a		Gain Control Deviation DB			0
Near Surface Resolution at 80% Far Surf		face Resolution at 80%		一种人们的人们的人们的人们们们的人们们们们					
Near Sur				Break Pt	. Noise %	M	Max Noise Level 1.0% (Sensitivity & Noise Test)		
	Break Pt	. Noise %	Deptii						
Depth		. Noise %	.01"	18.0%	1.0%	(Sens	itivity & No	ise Test)	
	18.0% 18.0%			18.0% 10.0%	1.0%		itivity & No lax Noise L		1.0%

P & B Testing





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:

F-UTFL Rev-0 05/01/2018

Technician Performing Evaluation: Roger Kimmons

Date: 10/7/2024

Approval Signature:

Buck Snider

Approved By: Derrick Schumann