

Date:  
August 6, 2018

Serial #: DGP\_003722

**DIGIBAR V  
CALIBRATION REPORT**  
ver 2.0 (c) 2011  
TELEDYNE ODOM HYDROGRAPHIC, Inc.



<b>2 Way Gap Distance</b>	
(meters)	0,127
<b>Svel Calibration Coef.</b>	
Offset	-1729
Span	10130

Input Data	
deg. C	TOF ns (x)
4,00	89899
5,00	89626
6,00	89349
7,00	89079
8,00	88830
9,00	88576
10,00	88336
11,00	88103
12,00	87871
13,00	87647
14,00	87441
15,00	87231
16,00	87028
17,00	86838
18,00	86648
19,00	86485
20,00	86283
21,00	86113
22,00	85950
23,00	85788
24,00	85626
25,00	85470
26,00	85321
27,00	85183
28,00	85047
29,00	84910
30,00	84780

Ref. Data	Ref T.O.F.
Del Grosso	(ns) (y)
1421,569	89338
1426,098	89054
1430,523	88779
1434,846	88511
1439,068	88252
1443,191	87999
1447,215	87755
1451,142	87517
1454,974	87287
1458,712	87063
1462,357	86846
1465,910	86636
1469,373	86431
1472,747	86233
1476,033	86041
1479,233	85855
1482,348	85675
1485,380	85500
1488,329	85331
1491,198	85166
1493,986	85007
1496,697	84854
1499,330	84704
1501,888	84560
1504,372	84421
1506,782	84286
1509,121	84155

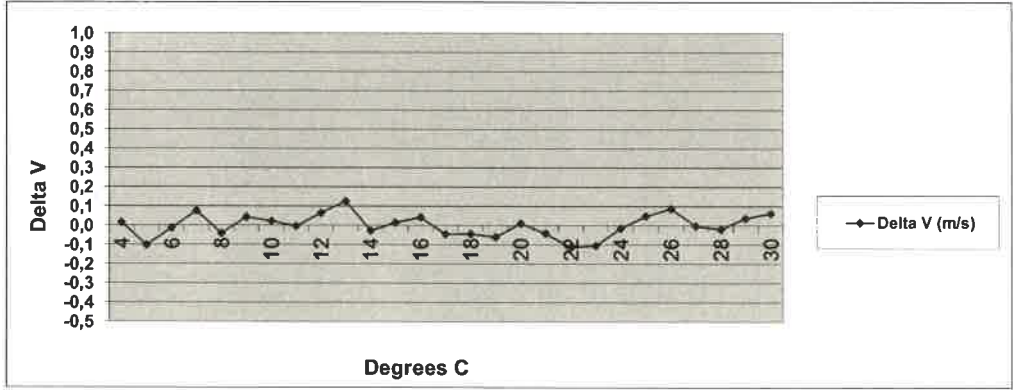
T.O.F. Linear Regression Data		
xy	x <sup>2</sup>	y <sup>2</sup>
8031368269	8081789817	7981261297
7981569200	8032814563	7930650757
7932248000	7983159745	7881660939
7884497129	7935076951	7834239713
7839370186	7890737710	7788337057
7794623660	7845674565	7743904938
7751863410	7803166907	7700897218
7710503722	7762080607	7659289550
7669977939	7721317955	7618979289
7630790322	7681935758	7579985406
7593952854	7646011756	7542248402
7557334595	7609293748	7505730239
7521957926	7573877507	7470394258
7488305026	7540769961	7436205116
7455319901	7507879025	7403128718
7423490481	7476220714	7371132157
7392288006	7444762221	7340183654
7362694507	7415512717	7310252504
7334180094	7387435074	7281309021
7306227617	7359516597	7253324493
7278822523	7331756085	7226271128
7252438695	7305135510	7200122016
7227054465	7279637675	7174851081
7203132081	7256219613	7150433042
7179682895	7232914173	7126843378
7156694608	7209720930	7104058286
7134631459	7187598596	7082054650

corr T.O.F.	corr SVEL	stdev
(ns)	(m/s)	Δ vel
89337	1421,58	0,014
89061	1425,99	-0,103
88780	1430,51	-0,014
88507	1434,92	0,075
88254	1439,03	-0,043
87997	1443,23	0,043
87753	1447,24	0,021
87518	1451,14	-0,005
87283	1455,04	0,064
87056	1458,84	0,125
86848	1462,33	-0,028
86635	1465,92	0,013
86429	1469,41	0,042
86236	1472,70	-0,045
86044	1475,99	-0,044
85859	1479,17	-0,060
85674	1482,36	0,010
85502	1485,34	-0,042
85337	1488,22	-0,114
85172	1491,09	-0,105
85008	1493,97	-0,016
84851	1496,75	0,048
84700	1499,42	0,087
84560	1501,88	-0,004
84422	1504,35	-0,020
84284	1506,82	0,037
84151	1509,18	0,063

n	Σ(x)	Σ(y)	Σ(xy)	Σ(x <sup>2</sup> )	Σ(y <sup>2</sup> )
27	2349435,93	2,333E+06	2,031E+11	2,045E+11	2,017E+11
	(Σx) <sup>2</sup>	(Σy) <sup>2</sup>			
	5,51985E+12	5,4441E+12			

slope, m = 1,013  
y int, b = -1729  
corr, r = 1,0000

Calibration Constants	
Offset	Span
-1729	10130
Probe Cal. Constants	
SVEL_K1	SVEL_K2
-173	10130



Standard Deviation: **0,060**

Service Engineer :  
  
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