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299/1/57 Hydrophone Information

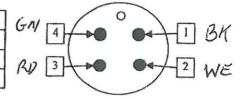
Model# HTI-90-U/Diff

Connector: Subconn IL-4-M & DLSA-M

03/04/13

Connector Pinout

Pin 1	+12VDC
Pin 2	12VDC Return / Signal Gnd
Pin 3	Signal + Output
Pin 4	Signal - Output



Test Data

Serial	Hydrophone Sensitivity	Current
Number	dB re: 1V/uPa	mA
299463	-174,8	2.22
299464	-174.1	2.23
299465	-173.9	2.21
299466	-174.2	2.24
299467	-174.0	2.22
299468	-174.5	2,23
299469	-174.4	2.2
299470	-174.6	2.22
AVG	-174.3	2.22
VAR	0.1	0.00
STD	0.3	0.01
MAX	-173.9	2.24
MIN	-174.8	2.20
DIF	0.9	0.04

Sensitivity was measured using the comparison method Reference hydrophone = 999901 Measurements traceable to USRD Newport, RI

Hydrophones listed on this page:

- Leaked less than 0.1uA @ 27VDC after 1hr @ 100PSI hydrostatic pressure
- Passed shield integrity test
- Have the same Polarity Response

Voltage	12VDC
Preamp Mode	Voltage
Source Capacitor	800pF
Fermination Resistor	

S paradx	Response H	Zesponse L
Ш	œ]	8

Expected Gain	12dB
Response High (-3dB)	20KHZ
Response Low (-3dB)	244

Preamp# 2Hz 5Hz 50Hz 100Hz 1KHz 5KHz 10KHz 20KHz 30KHz 1 9,62 1183 12.42 12.42 12.42 12.42 12.43 12.44 12.44 12.44 12.44 12.44 12.44 12.44 12.44 12.44 12.45 12.49		Gain (dB)								-
9.62 11.83 12.42 12.42 12.42 12.42 12.42 12.42 12.42 12.42 12.42 12.43 12.43 12.44 12.42 12.42	reamp#	2Hz	5Hz	50Hz	100Hz	1KH7	SKH2	40KU-	117700	100
9.60 11.83 12.43 12.44 12.42 12.42 12.43 12.44 9.65 11.81 12.42 12.42 12.42 12.43 12.44 9.65 11.81 12.42 12.42 12.42 12.43 12.43 9.67 11.80 12.42 12.42 12.42 12.43 12.43 9.68 11.84 12.41 12.42 12.42 12.42 12.43 9.68 11.84 12.41 12.42 12.42 12.42 12.44 9.69 11.84 12.41 12.42 12.42 12.42 12.44 9.68 11.84 12.41 12.42 12.42 12.42 12.44 9.69 11.84 12.41 12.42 12.42 12.42 12.44 9.69 11.82 12.42 12.42 12.42 12.44 12.44 9.69 11.84 12.42 12.43 12.43 12.44 12.44 9.69 11.80 <td>-</td> <td>9.62</td> <td>1183</td> <td>12 42</td> <td>12.40</td> <td>07.07</td> <td>71000</td> <td>PUNDI</td> <td>ZUNUZ</td> <td>SUKHZ</td>	-	9.62	1183	12 42	12.40	07.07	71000	PUNDI	ZUNUZ	SUKHZ
9.50 11 83 12 43 12 44 12.44 12.44 12 46 12 46 9.57 11.81 12 42 12.42 12.42 12.43 12.43 12.44 9.57 11.80 12 42 12.42 12.42 12.43 12.43 12.44 9.54 11.84 12.41 12.42 12.42 12.42 12.43 12.44 9.68 11.84 12.43 12.43 12.42 12.42 12.44 9.69 11.84 12.41 12.42 12.42 12.42 12.44 9.69 11.84 12.41 12.42 12.42 12.42 12.44 9.69 11.84 12.41 12.42 12.42 12.42 12.44 9.59 11.82 12.42 12.43 12.43 12.45 12.45 9.54 11.84 12.44 12.44 12.44 12.46 9.54 11.80 12.41 12.42 12.42 12.42 9.54 <td>,</td> <td>000</td> <td>200 17</td> <td>1</td> <td>12.74</td> <td>74.71</td> <td>74.71</td> <td>12.43</td> <td>12.44</td> <td>12.47</td>	,	000	200 17	1	12.74	74.71	74.71	12.43	12.44	12.47
9.55 11.81 12.42 12.42 12.42 12.42 12.42 12.42 12.42 12.43 12.43 12.44 9.57 11.80 12.42 12.43 12.43 12.43 12.43 12.44 9.58 11.83 12.41 12.42 12.42 12.42 12.43 12.44 9.59 11.84 12.41 12.42 12.42 12.42 12.44 12.45 9.59 11.84 12.41 12.42 12.42 12.42 12.44 12.45 0.00 0.01 0.01 <	4	3.00	11.83	12.43	12.44	12.44	12.44	12 44	ah Ch	40.40
9 67 7 11.80 12.42 12.43 12.43 12.43 12.44 12.44 12.45 12.43 12.43 12.43 12.44 12.45 12.45 12.43 12.43 12.43 12.43 12.44 12.44 12.44 12.44 12.44 12.44 12.44 12.44 12.45 12.43 12.43 12.43 12.44 12.45 12.44 12.46 12.44 12.46 12.44 12.44 12.44 12.44 12.44 12.44 12.44 12.44 12.44 12.44 12.44 12.44 12.44 12.44 12.44 12.44 12.44 <t< td=""><td>9</td><td>9.55</td><td>11.81</td><td>12.42</td><td>12.42</td><td>12 43</td><td>CVCV</td><td>40.40</td><td>12.40</td><td>84.71</td></t<>	9	9.55	11.81	12.42	12.42	12 43	CVCV	40.40	12.40	84.71
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9.54 11.84 12.41 12.42 12.42 12.42 12.42 12.42 12.42 12.44 12.44 12.44 12.44 12.44 12.45 12.43 12.43 12.43 12.44 12.44 12.45 12.45 12.43 12.43 12.44 12.44 12.45 12.46 12.46 12.44 12.46 12.44 12.46 12.44	0	9C.R	11.83	12.42	12.42	12.42	12.42	1243	12 44	1707
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968 11.84 12.45 12.45 12.43 12.44 12.45 9.59 11.82 12.41 12.42 12.42 12.42 12.43 12.43 12.43 12.44 12.45 0.00 0.01 0.02	7	9.57	11.83	42.43	42.42	10707	41.4	74.7	12.44	12.47
9.59 11.64 12.42 12.42 12.42 12.42 12.43 12.43 12.43 12.43 12.43 12.43 12.45 12.45 12.45 12.45 12.45 12.45 12.45 12.45 12.45 12.45 12.45 12.45 12.45 12.45 12.45 12.45 12.45 12.45 12.46 12.46 12.46 12.46 12.46 12.46 12.44 12.42 12.42 12.42 12.42 12.42 12.42 12.42 12.42 12.42 12.44 12.44 0.14 0.04 0.02 <td< td=""><td>a</td><td>080</td><td>77 07</td><td>2</td><td>25.75</td><td>14.43</td><td>12.43</td><td>12.44</td><td>12.45</td><td>12.48</td></td<>	a	080	77 07	2	25.75	14.43	12.43	12.44	12.45	12.48
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0.00 <th< td=""><td>AVG</td><td>9.59</td><td>11.82</td><td>12.42</td><td>12 43</td><td>42.43</td><td>40.42</td><td>40.00</td><td>12.44</td><td>15.41</td></th<>	AVG	9.59	11.82	12.42	12 43	42.43	40.42	40.00	12.44	15.41
0.04 0.01 0.00 0.00 0.00 0.00 0.00 0.04 0.01 0.01 0.01 0.01 0.01 0.01 9.68 11.84 12.43 12.44 12.44 12.44 12.45 9.54 11.80 12.41 12.42 12.42 12.42 12.42 0.14 0.04 0.02 0.02 0.02 0.02 0.02	VAR	000	000	000	200	2	12.40	12.43	12.45	12.47
0.04 0.01 0.02 0.03 0.03 0.03	1	20.0	0.00	0.00	00'0	00.00	0.00	0.00	0.00	000
9.68 11.84 12.43 12.44 12.44 12.44 12.44 12.44 12.45 12.46 9.54 11.80 12.41 12.42 12.42 12.42 12.42 0.14 0.04 0.02 0.02 0.02 0.02 0.02	OID	0.04	0.01	0.01	0.01	0.01	004	200	100	200
9.54 11.80 12.41 12.42 12.42 12.42 12.42 12.42 12.42 12.42 12.42 12.42 12.42 12.44 12.44 12.44 12.42 12.42 12.42 12.44	MAX	9.68	11.84	12.43	12 44	12.44	40.44	10:0	0.01	0.01
0.14 0.04 0.02 0.02 0.02 0.02 0.02	MIN	9.54	11.80	12.44	40 40	14.0	12.44	12,44	12.46	12.49
0.04 0.02 0.02 0.02 0.02 0.03	aic	22.0			74.71	74.7	12.42	12.42	12,44	12.47
	LIG	41.0	0.04	0.02	0.02	0.05	0.02	000	200	000

	rnase (deg)								
Preamp#	2Hz	5Hz	50Hz	100Hz	1KHz	5KHz	10KH2	201702	-11/100
-		-1597	-1770	4700	470.0	2000	TOTAL P.C.	ZUUNZ	SUNHZ
6	The same and the s	1 44	2	0.671	13.3	1/8.9	177.8	175.6	173.4
7		-159.5	-177.8	-179.0	179.9	178.9	177 B	17E G	470.4
3		-159.9	-177.9	-1790	179 B	1700	7	0.51	4.07
A		450.7	O CAT			500	0.77	C'C/L	1/3.4
-	The second second	1.801-	6 / / L-	-179.0	179.9	178.9	177.8	175 R	1721
5		-159.7	-177.9	-179.0	179.9	178.9	177.8	475.0	1,0,1
တ		-159.6	-1779	1790	4700	0.044		0.071	173.4
7		F 059		200	13.3	1/8,3	1///8	175.6	173.4
- 6		4 801-	-1//.8	-179.0	179.9	178.9	177.8	175 G	4724
20		-159.9	-1779	1700	170.0	2000		2	107
			2	0.077	20.00	1/89	177.8	175.5	173.4
1	Constitution of the Party of th			-					
AVG		-159.7	-1779	470.0	4700	0 000			
WAD	-	***		200	0.0	1/8.9	177.8	175.6	1734
NWA.	The second second	0.0	0.0	0.0	0.0	0.0	0.0	00	
SIU		0.2	0.0	0.0	0.0	00	00	200	0.0
MAX		-159.4	177.8	1700	2 27.4	200	0.0	0.0	0.0
MINI		470.0	2	0.671	20.00	1/8.9	177,8	175.6	173.4
NII.	-	-138.8	-177.9	-179.0	179.8	178.9	177.8	175.5	1734
- Lin		0.5	0.0	0.0	0.0	0.0	00	00	