



To: DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 BUILDING 15
 2019 WASHINGTON STREET, EAST
 CHARLESTON, WV 25305-0130

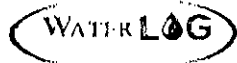
BUYER: TL/32
 RFQ. NO.: HSE01126
 BID OPENING DATE: 04/12/2011
 BID OPENING TIME: 1:30 PM

DESIGN ANALYSIS ASSOCIATES, INC
 PROPOSAL

Thanks,

Brandt Hellstern
 Brandt Hellstern

US and Latin America Sales Manager



Telephone: (435) 753-2212
 Cell: (435) 881-0138
 Fax: (435) 753-7669
 Email: Brandt@waterlog.com
www.waterlog.com
Ensuring your Water Measures Up

RECEIVED
 PURCHASING DIVISION
 STATE OF WV
 APR 12 PM 1:29

RFQ No. 11SF01126

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

Under penalty of law for false swearing (*West Virginia Code* §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: Design Analysis Associates, Inc.

Authorized Signature: [Signature] Date: 12 April 2011

State of Utah

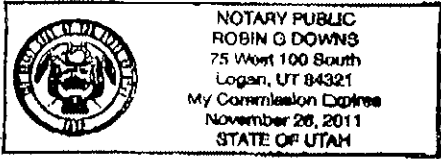
County of Cache, to-wit:

Taken, subscribed, and sworn to before me this 12th day of April, 2011

My Commission expires November 26, 2011.

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]



HSE01126 - Flood Control System

Bid Form

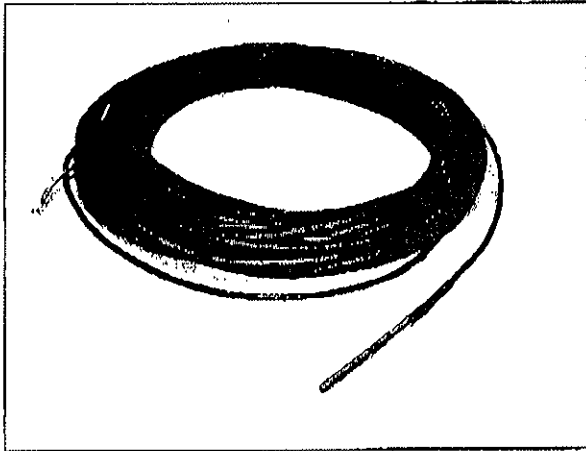
Item #	Description	Model	Quantity	Unit Price	Extended Price
	Manufacturer High Sierra, or equal			\$	\$
1	Package Weather Station, Model No. 3451, or equal	3451	100	\$ 7109.00	\$ 710900.00
2	Package Rain Gauge Station, Model No. 3424, or equal	3424	100	\$ 4392.00	\$ 439200.00
3	ALERT/FLOWS Data Decoder, Model No. 1000-03, or equal	1000-03	100	\$ 742.00	\$ 74200.00
4	ALERT/FLOWS Data Decoder, Model No. 1001, or equal	1001	100	\$ 752.00	\$ 75200.00
5	Rain Gauge Top Section, Model No. 2400-15, or equal	2400-15	100	\$ 615.00	\$ 61500.00
6	ALERT/FLOWS Data Transmitter, Model No. 3206-08, or equal	3206-08	100	\$ 2250.00	\$ 225000.00
7	ALERT/FLOWS Serial Data Transmitter, Model No. 3210-04, or equal	3210-04	100	\$ 990.00	\$ 99000.00
8	Slave and Forward repeater, Model No. 3300-01, or equal	3300-01	100	\$ 2350.00	\$ 235000.00
9	Sensor Input Option, Model No. 3300-01, or equal	3300-01	100	\$ 550.00	\$ 55000.00
10	DB9 Serial cable, Model No. 3300-13, or equal	3300-13	100	\$ 530.00	\$ 53000.00
11	Slave and Forward repeater (Duplex), Model No. 3300-20, or equal	3300-20	100	\$ 3135.00	\$ 313500.00
12	ALERT Certificate, Model No. 3350-01, or equal	3350-01	100	\$ 1232.00	\$ 123200.00
13	Telemetry Transceiver Programming Kit, Model No. 3701-15, or equal	3701-15	100	\$ 244.00	\$ 24400.00
14	VHF Power Amplifier, Model No. 3801, or equal	3801	100	\$ 284.00	\$ 28400.00
15	Output converter, Model No. 4004-00, or equal	4004-00	100	\$ 107.00	\$ 10700.00
16	Base Station Receiver, Model No. 4500-02, or equal	4500-02	100	\$ 210.00	\$ 21000.00
17	Pro Tech Solar Panel Voltage Regulator Module, Model No. 5310-00, or equal	5310-00	100	\$ 34.00	\$ 3400.00
18	Wind Monitor, Model No. 5712, or equal	5712	100	\$ 957.00	\$ 95700.00
19	Temperature Sensor, Model No. 5720-09, or equal	5720-09	100	\$ 140.00	\$ 14000.00
20	Temperature/Relative Humidity Sensor w/cable, Model No. 5722-0, or equal	5722-0	100	\$ 728.00	\$ 72800.00
21	Temperature/Relative Humidity Sensor, Model No. 5723-01, or equal	5723-01	100	\$ 572.00	\$ 57200.00
22	Radar Water Level Sensor, Model No. 5750-01, or equal	H-3211	100	\$ 3095.00	\$ 309500.00
23	Mounting Enclosure, Model No. 6751-01, or equal	H-3211-mount	100	\$ 750.00	\$ 75000.00
24	SE Omni-Directional Antenna, Model No. 7110-00, or equal	7110-00	100	\$ 24.00	\$ 2400.00
25	Antenna Lightning Protector, Model No. 7200-0, or equal	7200-0	100	\$ 102.00	\$ 10200.00
26	Stainless Funnel for Model 2400 Rain Gauge, Model No. 7300-01, or equal	7300-01/Qty: 2000	100	\$ 164.00	\$ 16400.00

	Manufacturer Daniels Electronics Ltd.						
27	Receiver, Model No. UR-4E20-QC-003, or equal	None	100	\$ 2495.00		\$ 2495.00	
28	Transmitter, Model No. UR-4E4S-0D-802, or equal	None	100	\$ 1999.00		\$ 1999.00	
29	Receiver, Model No. VR-4E150-0D-00, or equal	None	100	\$ 2159.00		\$ 2159.00	
30	Transmitter, Model No. VT-4E150-0D-800, or equal	None	100	\$ 1999.00		\$ 1999.00	
31	Multiple Receiver Subrack, Model No. SR-39-3, or equal	None	100	\$ 975.00		\$ 975.00	
32	Audio Monitor, Model No. SR-3-H3-014-01, or equal	None	100	\$ 819.00		\$ 819.00	
33	Payer Supply, Model No. PSA-12-4C-R3-00, or equal	None	100	\$ 1719.00		\$ 1719.00	
34	Manual, Model No. IM10-VR3H040, or equal	None	100	\$ 38.00		\$ 38.00	
35	Manual, Model No. IM20-VG3H040, or equal	None	100	\$ 38.00		\$ 38.00	
36	Manual, Model No. M35-H-984RX, or equal	None	100	\$ 38.00		\$ 38.00	
	Manufacturer Water Log Series Environmental Products						
37	Pressure Measurement, Model No. H35OX/H355, or equal	None	100	\$ 4145.00		\$ 4145.00	
38	Instrument Mounting Panel, Model No. H250 SRD, or equal	None	100	\$ 275.00		\$ 275.00	
39	Large Desiccating Air Dryer, Model No. H35DES2, or equal	None	100	\$ 298.00		\$ 298.00	
40	Office Outlet Kit, Model No. H253, or equal	None	100	\$ 120.00		\$ 120.00	
41	Alert Serial Interface, Model No. H-254, or equal	None	100	\$ 1050.00		\$ 1050.00	
	Manufacturer National Solar Supply, or equal						
42	5 Watt Solar Module, Model No. BSP-512, or equal	None	100	\$ 66.50		\$ 6650.00	
43	10 Watt Solar Module, Model No. BSP-1012, or equal	None	100	\$ 119.00		\$ 11900.00	
44	20 Watt Solar Module, Model No. BSP-2012, or equal	None	100	\$ 120.00		\$ 12000.00	
45	30 Watt Solar Module, Model No. BSP-3012, or equal	None	100	\$ 230.00		\$ 23000.00	
46	40 Watt Solar Module, Model No. BSP-4012, or equal	None	100	\$ 294.00		\$ 29400.00	
47	50 Watt Solar Module, Model No. SP-35SU, or equal	None	100	\$ 350.00		\$ 35000.00	
48	65 Watt Solar Module, Model No. BP-35SU, or equal	None	100	\$ 450.00		\$ 45000.00	
	Failure to use this information may result in disqualification.						
	Bidder/ Vendor Information:						
	Name: Orion Housing Associates Inc.						
	Address: 75 West 1st Street Lewiston, ME 04240						
	Phone: 455-753-5812						
	Email Address: brad@orionhousing.com						
				GRAND TOTAL:	\$ 543355.00		

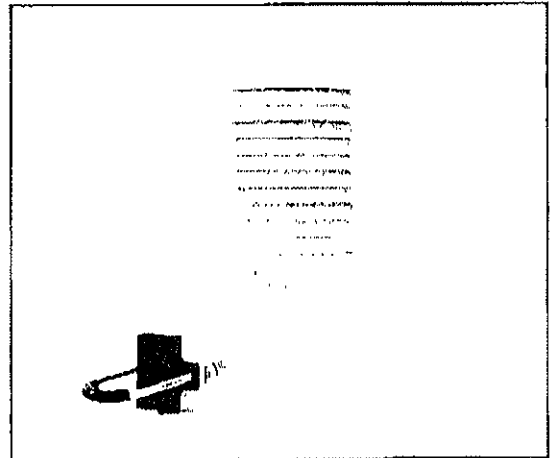
WATERLOG[®]
SERIES

Model H-377

Air/Water Temperature Probe



The **WATERLOG**[®] Model H-377 Air/Water Temperature Probe combines a high accuracy temperature sensor. The sensor is a well proven, accurate and



KEY FEATURES

- Reliable data acquisition and long term calibration-free operation
- Temperature measurement with precision RTD probe provides fast response and high accuracy
- Operating temperature range of -40° to 105° C
- Sealed, corrosion-resistant, and nonconductive enclosure
- Analog output



SPECIFICATIONS

Temperature Sensor: 10K Thermistor

Measuring Range: -40° to 105°C

Accuracy at 25°C: ± 0.1°C

Analog Output Signals:

Vishay/Dale precision 20K resistor in line with 10K thermistor.

Sampling Time: < 0.7 seconds

Cable Length: 100 ft. (33m.)

Supply Voltage: 3.5 - 50 VDC

Minimum Excitation Time: < 4 seconds

Dimensions:

Length: 4 in. (102mm.)

Diameter: 0.2 in. (5.08mm.)

Weight:

1.5 lbs (0.68kg.) With 100 ft cable

Radiation Shield: The H-380-SS is a natural aspiration shield. Optimum protection against rainfall and sunshine. Suitable for horizontally incident rain up to 68 km/h. The shield includes an adapter for the smaller temperature probe.

Construction: UV stabilized white thermoplastic plates aluminum mounting bracket, white stainless steel U-bolt clamp.

Dimensions: 4.7 in. (12cm.) diameter x 10.6 in. (27 cm.) high
Mounting fits vertical pipe 1-2 in. (25 to 50 mm.) diameter.

Weight: Net weight 1.5 lbs. (0.7 kg.)

Warranty

The WATERLOG® H-377 is warranted against defects in materials and workmanship for one year from date of shipment.

Note

Specifications subject to change without prior notice due to ongoing commitment to product testing and improvement. LR August 11, 2004

WATERLOG[®]

YSI incorporated

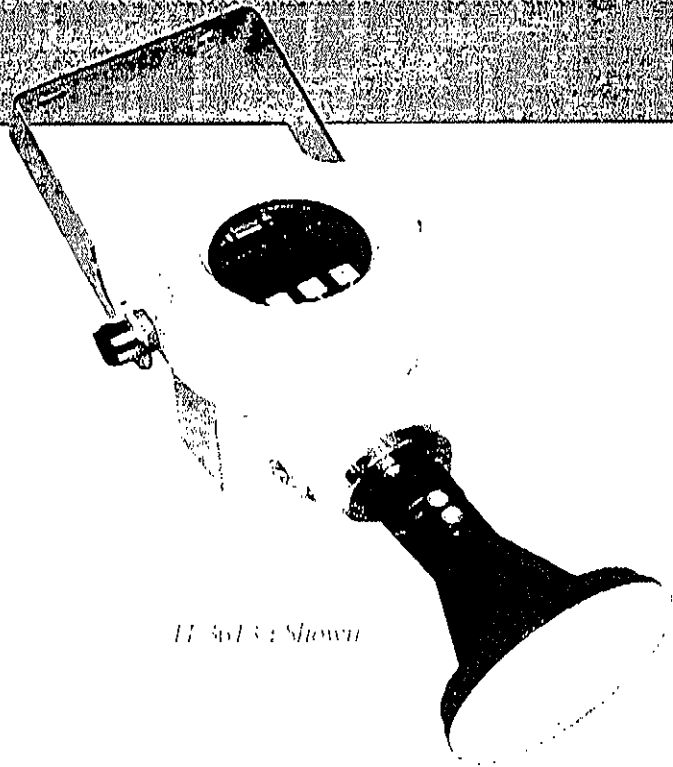
MODEL H-3611-i/3613-i™

Family of SDI-12 Radar Water Level Sensors

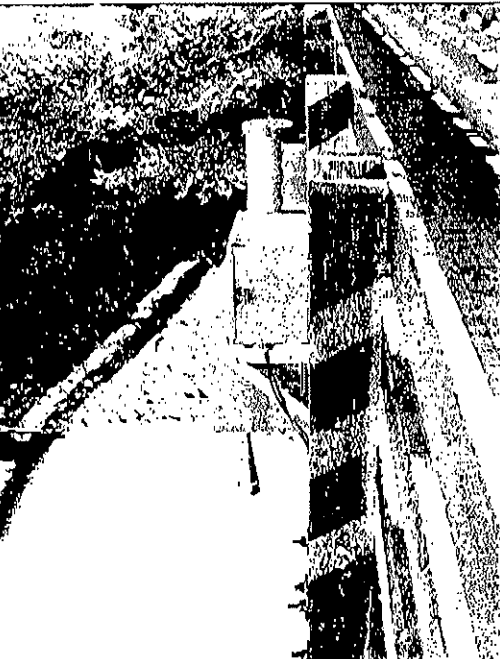
The WaterLOG™ Radar series is a family of SDI-12 water level sensors. Typical applications include non-contact measurement of river, lake and reservoir water level. The Radar is easy to use. Interfaces with any data recorder/logger that is SDI-12 compliant. The sensors measure Stage in units of Feet, Meters or other engineering units.

KEY FEATURES

- Out of the box measurement range = 131 feet (40 meters)
- ±3.0mm accuracy
- Non-contact level measurement eliminates the need for stilling wells and other infrastructure
- 40°C to +60°C operation
- NEMA 4X enclosure is suitable for outdoor installations
- Stainless steel horn
- Frequency range: approx 26 GHz
- Built-in LCD display for on-site readout
- Low current operation (1-40 mA) for easy battery operation
- Simple to install and use
- Mounting enclosures, radio communication links and other accessories are available

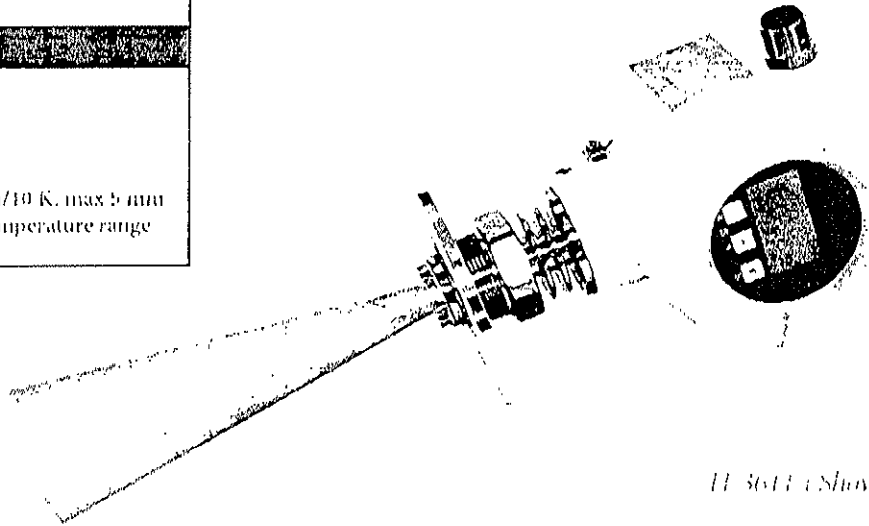


H-3613-i Shown



PERFORMANCE			
Measurement	Standard Range	0.75 ft to 131 ft (0.3 m to 40 m)	
	Accuracy	±0.01 ft (±3 mm)	
Radar Unit	(including linearity, repeatability and hysteresis)		
	Frequency	26 GHz	
	Electromagnetic Compatibility	Emission to EN 61326 Electrical Equipment (Class B)	
	Pulse Energy	1mW max (1µW average)	
	Beam angle	10° (3 m diameter, standard) 8° (4 m dia horn, extended) 10° Fixed horn for H-3613	
	Measuring Distance	Beam Radius (ft in Horn)	Beam Radius (ft in Horn)
	10 ft (3.0 m)	0.87 ft (0.27m)	0.69 ft (0.21m)
20 ft (6.1 m)	1.75 ft (0.53m)	1.4 ft (0.43m)	
30 ft (9.1 m)	2.62 ft (0.80 m)	2.1 ft (0.64m)	
40 ft (12.2 m)	3.50 ft (1.07 m)	2.9 ft (0.89m)	
50 ft (15.2 m)	4.37 ft (1.33 m)	3.8 ft (1.16m)	
75 ft (22.9 m)	6.56 ft (2.00 m)	5.24 ft (1.6m)	
100 ft (30.5 m)	8.75 ft (2.67 m)	6.99 ft (2.13m)	
130 ft (40 m)	11.46 ft (3.49 m)	9.16 ft (2.8m)	
INTERFACE			
SDI-12 Output	Band Rate	1200	
	Protocol	SDI-12, V.L. 2 bit even parity, 1 stop bit	
	Output Voltage Levels	Minimum high level: 3.5 volts Maximum low level: 0.8 volts	
Response Time	SDI-12 measurement sequence	800mS (typ) 5 sec (max)	
Power Requirements	Voltage Input	10 to 16 Volts DC	
	Surge Protection	Built in, 1.5 KVA	
	Supply Current	Sleep mode 8 mA typ Active (communicating) 150mA 30mA for startup	
ENVIRONMENT			
Operating Temperature	-40° C to +60° C		
Storage Temperature	-40° C to +80° C		
Temperature Sensitivity	average T ₀ : 2 mm/10 K, max 5 mm over the entire temperature range -40° C to +80° C		

MECHANICAL		
Rating	Rating	NEMA 4x
	Housing	Aluminum, coated IP65
Horn size	Horn size	3 inch, L = 3.5", d = 3" (L = 211mm, d = 75mm) standard 4 inch, L = 4", d = 4" (L = 282mm, d = 92mm) optional H-3613 L = 5.5", d = 4.5" (L = 140mm, d = 114mm)
	Horn Material	H-3611 316L stainless steel H-3613 PTFE
Connections	Internal Display	LED with back light
	11.5V & SDI-12	Internal 3 position connector, 6 ft (1.8 m) polyurethane pigtail is provided.
Cables	Cables	6 ft (1.8 m) cable with RS-485 connector for "Tof Tool" connection.
	Size	H-3611 17" x 6" x 6" (43.18 x 15.24 x 15.24 cm) H-3613 13" x 6" x 6" (33 x 15 x 15 cm)
Weight	H-3611	8 lbs (3.6 kg)
	H-3613	7 lbs (3.18 kg)
WARRANTY		
The WaterLOG H-3611 & H-3613 series radars are warranted against defects in materials and workmanship for one year from date of shipment.		
NOTES		
Specifications subject to change without prior notice due to ongoing commitment to product testing and improvement 11 January 15, 2011, 1018 0311		



H-3611 Shown

WATER LOG

YSI incorporated