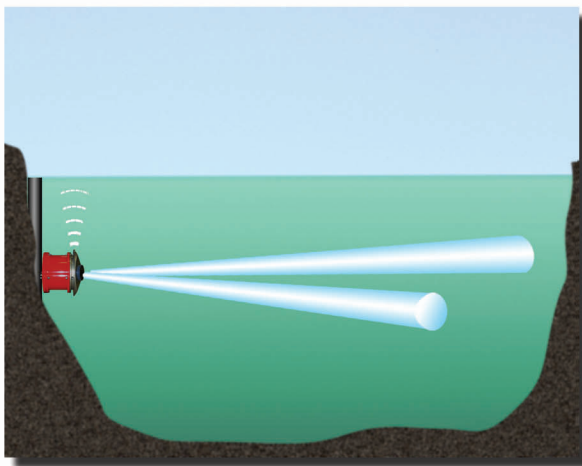


FlowQuest 1000H

Horizontal Acoustic Current Profiler



- **Real-time Flow, Current And Water Level Measurement**
- **1 MHz Operating Frequency**
- **Highly Robust Acoustic Doppler Technology**
- **Significantly Longer Range When Compared Against Similar Products**
- **Highly User Friendly And Cost Competitive**
- **Depth Rating 800 Meters. All Components Water Sealed**
- **Low Power Consumption DSP Technology**



FlowQuest 1000H Horizontal Acoustic Current Profiler precisely measures water velocities and water levels in horizontally-oriented installations. It can be easily installed on an irrigation channel bank, a bridge abutment or a river bank. With its capability of significantly longer range, high accuracy and highly competitive cost, the FlowQuest 1000H system is a perfect choice for long-term real-time monitoring of water flow, velocities and levels in water channels, rivers, ports, harbors and estuaries.

LinkQuest Inc.

6749 Top Gun Street, San Diego, CA 92121, USA

Tel: (858) 623-9900, 623-9916 Fax: (858) 623-9918

sales@link-quest.com <http://www.link-quest.com>



FlowQuest 1000H

Horizontal Acoustic Current Profiler Specification

Water Profiling Range and Depth

| | |
|-------------------|----------|
| Frequency | 1 MHz |
| Maximum Range | 50 m |
| Maximum Cell size | 2 m |
| Standard Depth | 800 m |
| Maximum Transmit | 20 watts |
| Blank Distance | 0.4m |

Velocity Specifications

| | |
|------------------------|------------------|
| Frequency | 1 MHz |
| Accuracy | 0.25% ± 2.0 mm/s |
| Cell size | 0.25 – 2.0 m |
| Maximum Water Velocity | 20 knots |
| Number of Cells | 170 |
| Maximum Ping Rate | 5/second |

Hardware

Transducer: 3 Beam Convex

Transducer Beam Angle: 22 degrees

Housing: Anodized Aluminum and Plastics

Communication: RS422 or RS232

Weight and Dimension

| | |
|------------------------------|--------|
| Frequency | 1 MHz |
| Transducer Assembly Diameter | 23 cm |
| Housing Diameter | 20 cm |
| Overall Length | 20 cm |
| Weight In Air | 9.0 kg |
| Weight In Water | 4.0 kg |

Standard Sensors

Tilt (pitch and roll)

Software

Windows FlowQuest Studio software for real-time current and flow monitoring and off-line data analysis and display.

Surface Tracking For Water Level Measurement

| | |
|------------------|-----------------|
| Frequency | 1 MHz |
| Maximum Altitude | 20 m |
| Minimum Altitude | 0.2 m |
| Accuracy | ±0.25% ± 1 mm/s |

Interface

RS422 or RS232 serial communication



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