

Greyline

STINGRAY 2.0

Technical Specifications:

The Stingray 2.0 Level-Velocity Logger, operates on standard alkaline batteries for extended time periods to data log level, velocity, and water temperature in open channels, partially full sewer pipes, and surcharged pipes without a flume or weir.



GENERAL SPECIFICATIONS

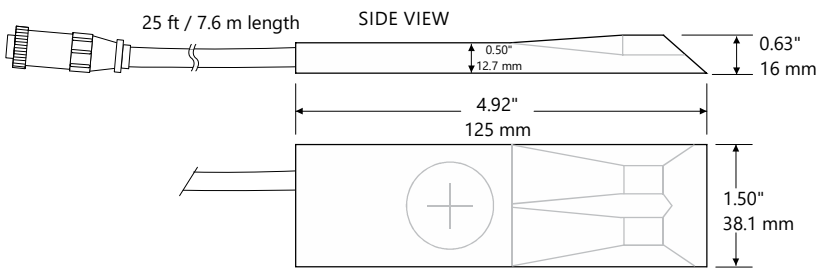
Electronics Enclosure:	IP67 polycarbonate
Accuracy:	Level: $\pm 0.25\%$ of Range. Velocity: $\pm 2\%$ of Reading
Display:	LCD displays: Level, Velocity, Water Temperature, Battery and Memory capacity
Operating Temp. (Electronics):	$-20\text{ }^{\circ}\text{C}$ to $+60\text{ }^{\circ}\text{C}$ ($-4\text{ }^{\circ}\text{F}$ to $+140\text{ }^{\circ}\text{F}$)
Instrument Set-up:	Via Greyline Logger software for Windows: Logging Time Interval, Site Name
Logger Interval:	<ul style="list-style-type: none"> • 10 sec: 15 days • 30 sec: 45 days • 1 min: 3 months • 2 min: 6 months • 5 min: 1 year • 10 min: 2 years • 15 min: 3 years • 30 min: 4 years • 60 min: 4 years
Data Logger Capacity:	130,000 data points
Power Input:	4 Alkaline 'D' cell batteries
Output/Communications:	USB
USB Cable:	1 m (3 ft) shielded
Software:	Greyline Logger for Windows. Supports real-time monitoring, log file download and export, graph and data table presentation, level/velocity to flow conversion
Approximate Shipping Weight:	4.5 kg (10 lb)

TRANSDUCER SPECIFICATIONS

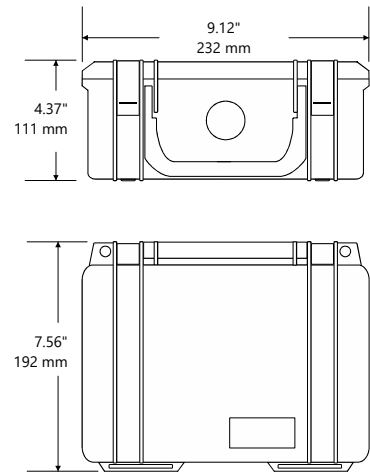
Velocity Measurement Range:	0.03 m/s to 3.8 m/s (0.1 ft/s to 12.5 ft/s) in fluids containing bubbles or solids with a minimum size of 100 microns and a minimum concentration of 75 ppm to act as acoustic reflectors
Level Measurement Range:	<ul style="list-style-type: none"> • Minimum Head: 25.4 mm (1 in) • Maximum Head: 4.5 m (15 ft)
Operating Temperature:	$-15\text{ }^{\circ}\text{C}$ to $+80\text{ }^{\circ}\text{C}$ ($+5\text{ }^{\circ}\text{F}$ to $+175\text{ }^{\circ}\text{F}$)
Exposed Materials:	316 stainless steel, polyurethane, epoxy
Sensor Cable:	7.6 m (25 ft) submersible polyurethane jacket, shielded, 3-coaxial
Transducer Mounting:	Includes MB-QZ stainless steel mounting bracket
Temperature Compensation:	Automatic, continuous

POPULAR OPTIONS

Transducer Cables Extension:	Shielded 15 m (50 ft) submersible, polyurethane jacket with watertight connectors
Sensor Mounting Bands:	Stainless steel sensor mounting bands for pipes from 150 mm to 1,800 mm (6 in to 72 in)
Extended Temperature Sensor:	QZ02L-HT, CPVC construction rated to 80 °C (175 °F)



QZ02L-SS-01-PS Velocity/Level Sensor



Electronics Enclosure

Delivering the Measure of Possibility

Pulsar Measurement offers worldwide professional support for all of our products, and our network of reps and distributors all offer full support and training. Our facilities in Malvern, UK and Largo, USA are home to technical support teams who are always available to answer your call or attend your site when required. Our global presence, with direct offices in the UK, USA, Canada, and Malaysia allow us to create close relationships with our customers and provide service, support, training, and information throughout the lifetime of your product.

By taking a step forward in echo processing technology, Pulsar Measurement addresses applications previously thought to be beyond the scope of ultrasonic measurement. This technology improves signal processing at the transducer head which has made it possible to increase resistance to electrical noise, enabling the transducer to 'zone in' on the true echo.

For more information, please visit our website:

www.pulsarmeasurement.com



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