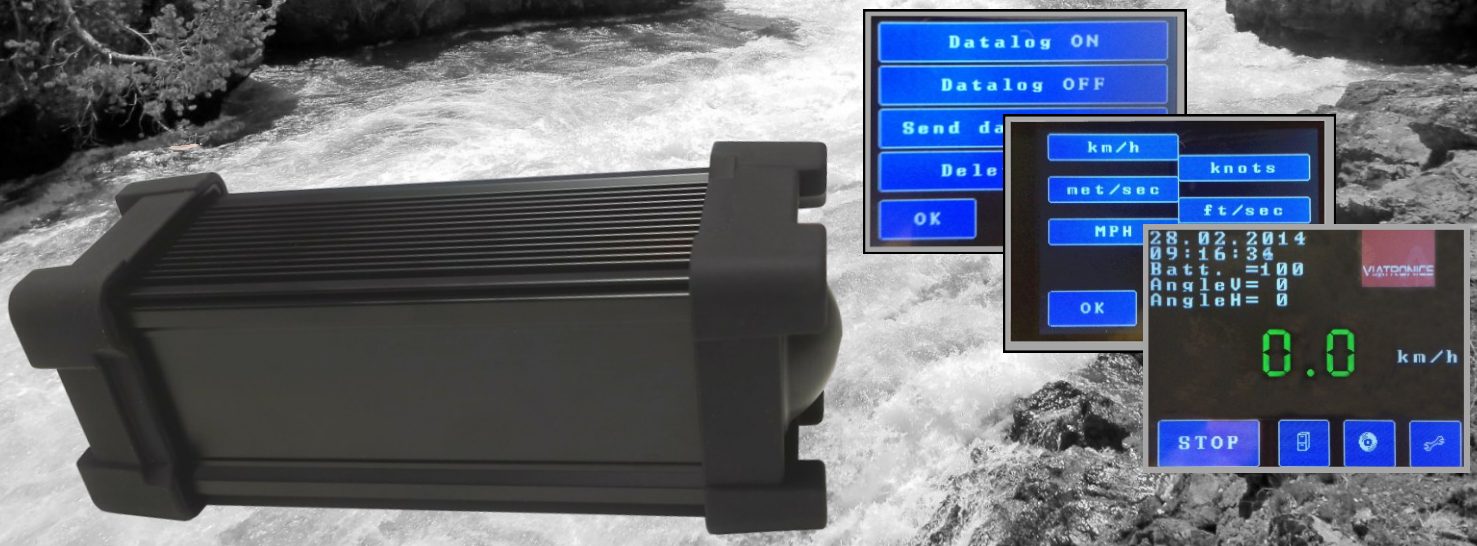


VIATRONICS

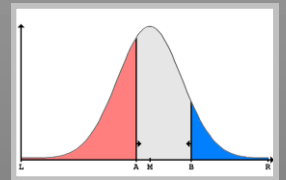
STATIONARY MOUNTED SURFACE VELOCITY FLOW RADAR (SVR-1 PRO)

"WHEN VERSATILITY COUNTS"



Viatronics SVR-1 Pro Stationary provides unmatched performance & features !

- Sunlight Readable LCD Touchscreen with full 65 000 colors
 - 800 cd/m² Luminance with 1000:1 contrast and full 160 viewing angle.
- Industries most accurate flow calculation is based on "Rolling Median" which is calculated from 10 samples at a time.
 - New samples will update Median calculation continuously
 - Vortexes and whirlpools are automatically filtered out.
- Built in Data Logger with date & time information.
- Upgradable software.
 - New calculation options, functions & interface languages can be added later.
- Optional GPS for saving GPS coordinates with flow, date & time information
 - Sealed IP65 or IP67 Classified version for maximum weather protection.
 - IP67 Classified Serial / USB interface for logged and direct data output.
 - Optional RS485, Modbus or Hart Interface
 - Selectable measurement units, Mps, Fps, Kph, Mph and Knots.
 - Automatic horizontal & vertical cosine angle correction.
 - Built-in tilt sensor detects & correct automatically cosine error caused by vertical angle.
- Direct 12 - 30VDC Power Input



[Read more...](#)

VIATRONICS SVR

Accurate Water Speed Measurement Designed specifically to measure streams and rivers, the SVR gives you precise speed measurement from a stationary position outside the body of water. The SVR is perfect tool for flood and wastewater management applications.

The SVR is extremely valuable for measuring water surface velocity during high velocity flows and flood conditions where a using contact measurement instrument poses a risk to safety.

FUNCTIONS

- Touchscreen controls
- Built in data logger with automatic date and time information.
- Allows scientists to determine the surface velocity of water
- Includes cosine error correction, allowing the unit to compensate for horizontal and vertical angles
- Wide velocity flow range (0.1 – 80 m/s)
- 12-30 VDC Power Interface
- Accepts tripod mounting
- User friendly measurement and reading
- Data port for computer.

TECHNICAL SPESIFICATIONS

Measurement Specifications

Minimum Velocity	0.1 m/s
Maximum Velocity	80 m/s
Measurement Accuracy	± 0.3% - Speeds are rounded down to the nearest tenths of a unit

Mechanical specifications:

Weight	1 kg
Dimensions	L 24 cm (9.45 in), H 10 cm (6,30 in), W 100 cm (4,76 in)
Case Material	Die Cast Aluminium

General specifications

Units	MPS (meters-per-seconds), FPS (feet-per-second), KPH (kilometres-per-hour), MPH (miles-per-hour) and Knots
Horizontal Cosine Angle Correction	0° - 60°
Sensitivity / range setting	0 - 8 / up to 100 meters away depending measurement conditions

Antenna Parameters

Type / Nominal transmission frequency	Ka-Band / 34.7 GHz
Polarization / Beam width	Circular / 12° (+/- 1°)
Nominal Microwave Power Output	15 mW nominal
Maximum Aperture Power Density	1 mW/cm ²

Touchscreen Parameters

Size / Type	2.4" / IPS LCD
Resolution (pixels) / Colors	320 x 240 / 65 000
Luminance / Contrast	800 cd/m ² / 1000:1 (SUNLIGHT READABLE)
Viewing angle / Backlight	ALL (160°) / White LED backlight

Environment

Ambient Temperatures	-22°F to +158°F, -30°C to +70°C
Maximum Humidity	90% relative humidity at 99°F (37°C non-condensing)
Water resistance	IP65 or IP67 version, Meets International Robustness Standard according Europe an Community Standard BS EN 60529:1992 (IEC 529:1989)

Power

Supply Voltage Range	12 – 30 VDC
Standby	0.200 amperes
Antenna ON	0.450 amperes