Viatronics SVR-3 Pro 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
  - Vortices 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 construction for maximum weather protection.
  - IP67 classified computer interface for logged and raw data output.
- Selectable measurement units, Mps, Cmps, Fps, Kph, Mph and Knots.
- Automatic horizontal & vertical cosine angle correction.
  - Built-in tilt sensor detects & corrects automatically cosine error caused by vertical angle.
- Powered by Makita.
  - Long operation hours with high quality Li-ion battery system.
  - Batteries widely available in super markets & hardware stores for years to come.

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)
- Powered by Makita, Replaceable & rechargeable Li-ion batteries
- Accepts tripod mounting
- User friendly measurement and reading
- Data port for computer.
- Internal cosine error correction, allowing the unit to compensate vertical angles up to 60 degrees

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Measurement Specifications</th>
<th>0.1 - 80 m/s</th>
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<tbody>
<tr>
<td>Minimum - Maximum Velocity</td>
<td>± 0.3% - Speeds are rounded down to the nearest tenths of a unit</td>
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<tr>
<td>Measurement Accuracy</td>
<td></td>
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**Mechanical specifications:**

- **Weight:** 1.5 kg (3.3 lb)
- **Dimensions:** L 19 cm (7.5 in), H 26.4 cm (10.4 in), W 8.6 cm (3.4 in)
- **Case Material:** Die Cast Aluminium & Composite (PVC)

**General specifications:**

- **Units:** MPS (meters-per-second), CMPS (centimetres-per-second) FPS (feet-per-second), KPH (kilometres-per-hour), MPH (miles-per-hour) and Knots
- **Sensitivity / range setting:** 0° - 60°
- **Antenna Parameters:** Ka-Band / 34.7 GHz
- **Polarization / Beam width:** Circular / 12° (+/- 1°)
- **Nominal Microwave Power Output:** 15 mW nominal
- **Maximum Aperture Power Density:** 1 mW/cm²

**Touchscreen Parameters:**

- **Size / Type:** 2.4" / IPS LCD
- **Resolution (pixels) / Colors:** 320 x 240 / 65 000
- **Luminance / Contrast:** 800 cd/m² / 1000:1 (SUNLIGHT READABLE)
- **Viewing angle / Backlight:** ALL (160°) / White LED backlight

**Environment:**

- **Operating 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:** IP64, Meets International Robustness Standard according European Community Standard BS EN 60529:1992 (IEC 529:1989)

**Voltages:**

- **Supply Voltage Range:** 7.2VDC – 20VDC
- **Power Supply:** replaceable Li-ion batteries, 18V / 1.3Ah
- **Power Consumption:** 0.200 / 0.450 amperes