| **Probe Specifications** |  |
| --- | --- |
| Acoustic Frequency | 10.0 MHz |
| Velocity — Range | ±0.001 - 4.0 m/s (±0.003 to 13 ft/s) |
| Velocity — Resolution | 0.0001 m/s (0.0003 ft/s) |
| Velocity — Accuracy | +/1% of measured velocity, +/- 0.25cm/s |
| Weight in air | 0.90 kg (1.98 lbs) |
| Weight in water | 0.30 kg (0.66 lbs) |
| Sampling Volume Location | 10 cm (3.93 in) from the center transducer |
| Minimum Depth | 0.02 m (0.79 in) |
| Depth Measurement Range | 0 to 10m (0 to 32.81ft) |
| Depth Measurement Resolution | 0.001m (0.003ft) |
| Depth Sensor Accuracy | +/- 0.1% of FS (temperature compensated over full operating range) |
|  | +/- 0.05% Static (steady-state at 25°C) |
|  | -Additionally compensated for real-time water velocity, temperature, salinity, and altitude. |
| Temperature Sensor | Resolution: 0.01° C, Accuracy: 0.1° C |
| Tilt Sensor | Resolution: 0.001°, Accuracy: 1.0° |
| Communication Protocol | RS-232 |
| Operating/Storage Temperature | -20° C to 50° C (-4° F to 122° F) |
| Probe Head Dimensions | (L)13.3 cm (5.22 in) (W) 6.1 cm (2.39 in) (H) 2.3 cm (0.90 in) |
| Standard Cable Length | 1.5 m (4.92 ft) |

| **Handheld Specifications** |  |
| --- | --- |
| Input Battery Voltage | 8-12 VDC |
| Power Supply | 8 X AA Batteries |
| Battery Life | 11 hours continuous use, typical settings1 |
| Power Consumption | 1 W (Average) |
| Weight in air | 0.75 kg (1.65 lbs) |
| Weight in water | -0.25 kg (-0.55 lbs) |
| GPS: H. Position Accuracy | Up to 2.5 m (8.2 ft) nominal2 |
| GPS: Frequency | L1 (1.575 MHz) SBAS compensation (WAAS, EGNOS, MSAS, GAGAN) |
| LCD Resolution | 320 X 240 TFT Transmissive |
| Bluetooth | Class 2, Range = 10 m (33 ft) nominal |
| USB | Micro USB, IP-67 |
| Battery Power to Probe | 8-12 VDC |
| Data Transfer | RS-232 |
| Data Storage | 16 GB. Up to 10k discharge measurements Up to 10 million velocity samples |
| Operating Temperature | Alkaline Batteries: -20° to 45°C (-4°F to 113°F) NiMH: -20° to 50°C (-4°F to 122°F) |
| Storage Temperature | -30° to 70° C (-22° F to 158° F)3 |
| Waterproof Rating | IP-67 (1m submersible) |
| Handheld Dimensions | (L)10.4 cm (4.1 in) (W) 6.4 cm (2.5 in) (H) 23.7cm (9.3 in) |

1Defined as power on with screen on at 100% brightness, ADV sensor pinging 50% of the time, GPS off, and no sleep periods. Actual battery life will vary depending on FT2 settings, manner of use, and brand of battery.  
2Ideal conditions and settings. GPS data are intended for approximate georeferencing and site ID.  
3Remove batteries from FlowTracker2 handheld if storage temperatures exceed the operating temperature of Alkaline and NiMH batteries as stipulated above.