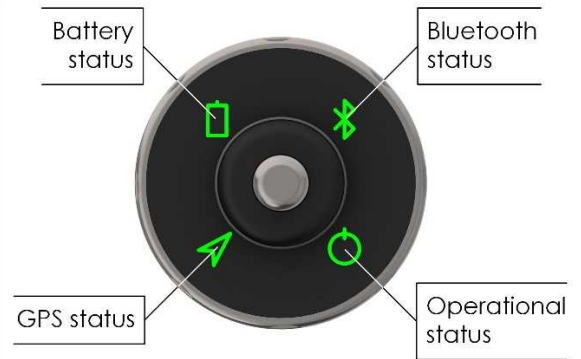




SWiFT SVP - Sound Velocity Profiler



Designed from the outset with the intention of a seamless workflow, the SWiFT has integral GPS to geo-locate each profile. Data can be easily and quickly downloaded, reviewed and translated to common SVP formats wirelessly via Bluetooth Smart using the SWiFT APP on iOS devices or conventional RS232 serial cable. Data can be instantly shared via FTP, email and cloud services.

With a battery endurance of up to 5 days, with easy charging via USB the SWiFT SVP is intended for coastal, harbour and inland hydrographic survey use and offers the highest quality sound velocity profiles in a compact, robust and portable package.

An optional deployment weight is available to bolt onto the protection cage to help get the SWiFT to depth in fast flowing currents.

Sensor Specifications

The SWiFT SVP is fitted with Valeport's digital time of flight sound velocity sensor, piezo-resistive pressure transducer and a PRT temperature sensor.

Sound Velocity

Range: 1375 – 1900 m/s
Resolution: 0.001 m/s
Accuracy: ± 0.02 m/s

Pressure

Range: 10 Bar / 100m
Resolution: 0.001% FS
Accuracy: $\pm 0.05\%$ FS

Temperature

Range: -5°C to +35°C
Resolution: 0.001°C
Accuracy: ± 0.01 °C

Physical

Materials: Titanium and Acetal.
Stainless Steel deployment weight

Depth Rating: 100m

Dimensions: Ø78mm x Length 277mm
321mm with deployment weight

Weight: 2.0kg (in air) / 0.9kg (in water)
3.0kg (in air) / 1.8kg (in water)
with optional deployment weight

Communications (setting up and data offload)

USB Serial
Bluetooth Smart

Memory

2 GB Internal Flash Card Storage

Electrical

Battery: Internal Rechargeable Battery Pack – 12A hrs
Charging: USB (typically, 1 hour of fast charging will give 12 hours operation)
Battery Life: Up to 5 days of operations

Software

iOS app for iPad and iPhone – data offload and display
Android to follow

DataLog x2 Windows based PC software, for instrument setup, data extraction and display

Ordering

0660047 SWiFT SVP Profiler
Titanium housing rated to 100m

Supplied with:

- Deployment Line
- PC USB Interface and Charging cable
- 1.5 A Charger
- DataLog x2 software, Operating manual
- System transit case.