Compact size, color display

The Surveyor HL is the handheld display that connects to the Hydrolab HL4 for attended monitoring applications and for completing other common tasks with the sonde in the field. It is rugged and compact with a color screen that is visible in direct sunlight and a keypad with pronounced buttons for system navigation.

The menu structure and functions are modeled after the Hydrolab Operating Software to make it easy to use and provide feedback about the system's status and access to onboard metadata. The Surveyor HL is powered by a rechargeable lithium-ion battery that holds enough energy to power a Hydrolab HL4 for 10 continuous hours.

Graphical Display	Color, LCD 3.5 in. QVGA
Graphical Display	Transflective (readable in direct sunlight)
Power Supply	Lithium-ion rechargeable
Battery Life	Up to 10 hours (20 °C) continuously on* *Temperature, conductivity, pH, and LDO sensors installed. Configuration dependent.
IP Rating	IP67* *Connector covers and/or deployment cable recommended
Buoyancy	Positively buoyant in water
Dimensions	L x W x H: 21.8 cm x 9.4 cm x 5.3 cm (8.6 in. x 3.7 in. x 2.1 in.)
Weight	0.68 kg (1.5 lbs)
Operating temperature	–5 to 50 °C (23 to 122 °F)
Storage temperature	–20 to 60 °C (–4 to 140 °F)
Barometric Pressure (Range)	225 mmHg - 825 mmHg
Barometric Pressure (Accuracy)	+/- 1 mmHg
Barometric Pressure (Stability)	+/- 0.75 mmHg over 12 months

Maximum Deployment Cable	200 m (656 ft)
Material	Polycarbonate with thermoplastic elastomer (TPE) overmold