

# SV40

Tide gauge



high accuracy



high strength



anti-corrosion



Anti-interference

**SOUTH**  
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The SV40 is a very compact self-contained tide gauge that can accurately measure changes in temperature and pressure. The product has high precision, small size and built-in battery power supply. It can be easily installed on various objects such as seabed, trestle bridge, dock, and anchorage. It is widely used in marine research, harbor, dam monitoring and other long-term underwater survey. The tide gauge does not need an external cable when measuring, and can be suspended by a safety cable. When the recorded data needs to be downloaded, it can be easily removed from the measuring point and download the data.



## Features

High precision, High resolution, Durability  
Complete self-contained data collection

Engineering plastic body with double sealing ring

High data security  
Time control recording and interval recording

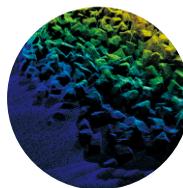
Simultaneous recording of pressure and temperature data  
Software-based atmospheric pressure compensation

## Specification

Depth range	10m standard(customizable)
Pressure accuracy	±0.2%FS
Resolution	0.001m
Temperature range	-40°C~+120°C
Temperature accuracy	±0.05°C
Temperature resolution	0.001°C
Internal clock error	24h±1s
stability	±0.1%FS/year
Weight (including battery)	365g
Frequency	1-5Hz
Sampling interval	1-180min
communication	RS-232
Capacity	8M Flash
Withstand pressure depth	2 multiply depth range
Dimensions	width:4cm; length:31cm
Power supply	3.6V Li-ion
IP	Ip68
Battery life	10 years

## Application

Applied in military and civil fields such as marine survey, underwater engineering, underwater surveying and hydrographic surveying, etc.



- Tide level measurement in water
- Tide level correction for single beam echo sounder
- Tide level correction for multi-beam echo sounder