

# Starflow 6526D



- Velocity, depth, computed flow and temperature
- Integrated Micrologger
- Compatible with Starlog
- SDI-12 communications
- LCD option available

The ultrasonic Doppler instrument is a compact, easy to use system for measuring the velocity and depth of water in rivers and streams, open drainage channels and large pipes.

It is suitable for use in a wide range of water qualities ranging from sewerage and waste water to clean streams, potable water, and even sea water. The instrument measures forward and reverse flow conditions and may be programmed to compute flow rate and total flow in pipes and open channels.

The newest model, the 6526D, consists of a new depth sensor in addition to all the previous features. The ultrasonic

transducer assembly is profiled to reduce flow disturbance and signal electronics. It is designed to be placed at (or near) the bottom of the water channel for upstream measurement. A single cable connects the instrument to a 12V DC power source.

Water velocity is measured by the ultrasonic Doppler principle which relies on suspended particles or small air bubbles in the water to reflect the ultrasonic detector signal. The instrument will not operate in very clean, degassed water. Water depth is gauged by a hydrostatic pressure sensor, referenced to atmospheric pressure through the vented power and signal cable.

## Specifications

### Velocity

Range:	21 mm/s to 4500mm/s bi-directional
Accuracy:	2% of measured velocity
Resolution:	1mm/s

### Depth

0 to 5 m in two ranges

### Resolution

Range	0 to 2.5 M: 2.5mm
Range	2.5 to 5.0 M: 5.0 mm
Accuracy	± 0.25%

### Temperature

Temperature:	-17° to 60°C
Resolution:	0.1°C

### Flow

Computation:	Flow rate, totalised flow
Channel type:	Pipe, open channel, natural stream,

### Integrated MicroLogger

Storage Memory:	100KB, CMOS RAM
Log interval:	Programmable, five seconds to one week
SDI-12:	1200 bps instrument channel
Communication:	RS-232, 300-38400 bps
Control:	CMOS output trigger (water sampler)

### General

Cable:	15 metre, 9 way vented, <<SQL>> compatible
Power source:	External battery 12V DC
Power usage:	11.5 to 15V DC, 50µA standby, 200mA active, 90mA communications
Operating Temp:	0°C to 60°C water temperature
Material:	PVC body, stainless steel mounting plate
Dimensions:	290mm L x 70mm W x 30mm H
Weight:	1kg (2kg with 15m cable)

## 6526D

- Velocity, Depth, Computed Flow & Temperature
- Integrated Micrologger
- Compatible with Starlog
- SDI 12 support
- LCD Option Available
- Cost effective



## AUSTRALIAN DISTRIBUTOR

Environmental Systems & Services | 8 River Street, Richmond VIC 3121 Australia |  
T + 61 3 8420 8999 | F + 61 3 8420 8900 | [environmental@esands.com](mailto:environmental@esands.com) | [www.esands.com](http://www.esands.com)