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**

Available from:

Unidata