

The DOF6000 series flowmeter consists of flow calculator and the ultraflow 6537, it is used to measure water velocity, depth, pressure temperature and conductivity of water flowing in rivers, streams, open channels and pipes.

When used with a companion Lanry DOF6000 calculator, flow rate and total flow can also be calculated.

The flow calculator can calculate the cross-sectional area of partially filled pipe, open channel stream or river, for stream or river, it can input up to 20 coordinate points describing the river's shape of cross section. It is suitable for various applications.



Ultraflow 6537 Velocity and Level Transducer is a unique combination of water velocity, depth, pressure, conductivity and temperature instruments integrated with a solid state logger. It is a new generation of intelligent flow measurement systems.

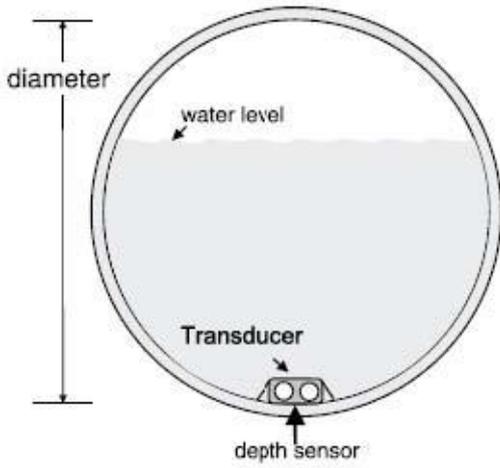
Features:

1. 20 coordinate points to describe the river's shape of cross section.
2. One instrument can measure the velocity, depth and conductivity at same time.
3. Velocity Range : 0.02mm/s to 10m/s bi-directional, accuracy is 1%.
4. Depth Range: 0 to 10m
5. Measure velocity in both forward flow and back flow.
6. Depth is measured by both the pressure sensor and ultrasonic level sensor principles.
7. With coordinate correction and pressure compensation function.
8. IP68 Epoxy-sealed body design, long time under water.
9. RS485/MODBUS output, can contact computer directly.

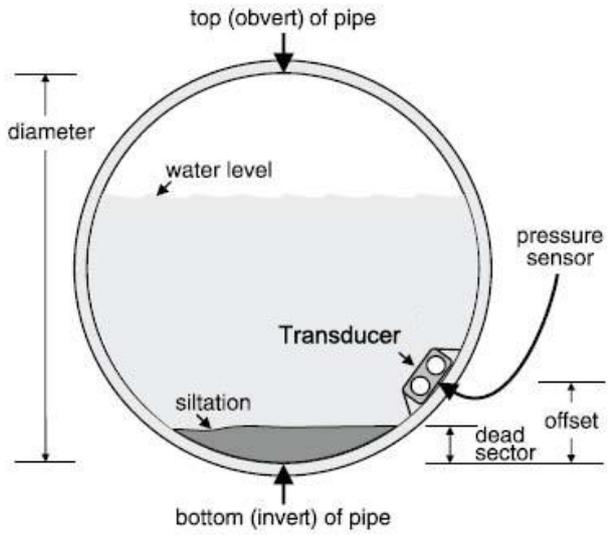
Specification:

Power supply:	Calculator : 220VAC&24VDC ; Sensor:12VDC
IP class:	Calculator: IP66 , Sensor: IP68
Operating temperature:	0°C ~+60°C water temperature
Calculator show:	4.5" color LCD
Calculator output:	4-20mA , RS485(Modbus-RTU) , Data logger , GPRS
Sensor size:	135mm x 50mm x 20mm (L x W x H)
Application:	Partially Filled Pipe:200-10000mm; Open Channel: 200-10000mm
Flow calculation:	Velocity ; Totalizer
Pipe, Channel type	Partially filled pipe, Open Channel and River, Stream
Sensor material:	Epoxy-sealed body, Marine Grade 316 Stainless Steel Mounting Bracket
Sensor weight:	1kg with 15m of cable, it can extend o 100m
Velocity range:	0.02m/s to 10m/s in one direction or bidirectional flow capacity
Velocity accuracy:	±1% measured velocity
Velocity resolution:	1mm/s
Depth range:	20mm to 5m(ultrasonic sensor);20mm to 10m(pressure sensor)
Temperature resolution:	0.1°C
Cable:	The standard cable is 15m, the maximum option is 50m.
Power usage:	10V to 24VDC, 50µA standby, 100mA/s
SDI-12:	SDI-12V 1.3recorder (1200 baud smart instrument channel)

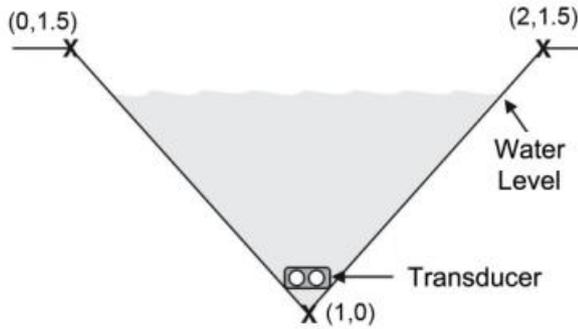
Installation Details:



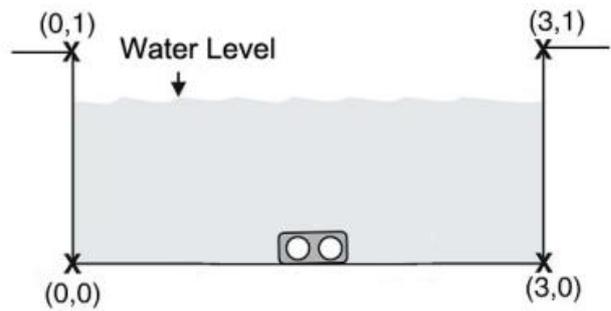
Partially pipe



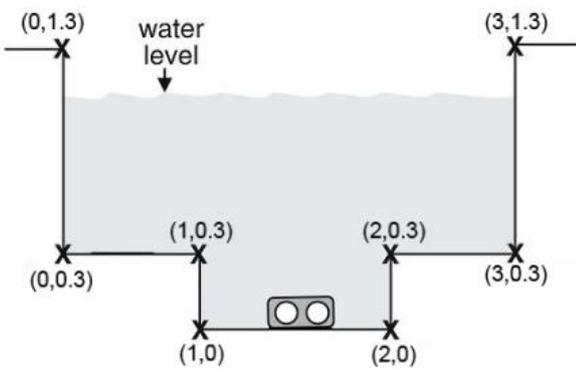
Pipe with siltation on bottom



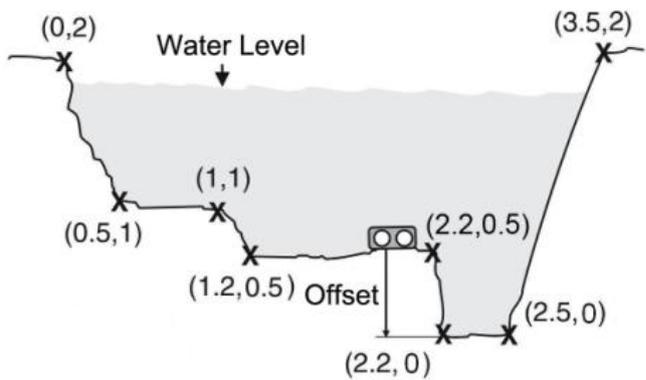
Triangle Channel



Rectangular channel



Polygonal channel



Irregular-shaped channel

Configuration code:

DOF6000	Doppler open channel flow meter						
	Calculator						
W	Wall-mounted						
P	Portble						
	Power supply						
A	85-265VAC						
E	24VDC (only for Wall-mounted Calculator)						
	Output						
N	None						
C	4-20mA						
F	RS485 (Modbus)						
D	Data logger						
G	GPRS						
	Level range						
	6537	0 to 10m					
	Sensor cable length						
	15m	15m (standard)					
	XXm	more length, please contact us					
DOF6000	P	A	N	ML	6537	15m	(example configuration)



Lanry Instruments(Shanghai) Co.,Ltd.

Shanghai address: Block F, 6 Floor, Building 5, No.2800 Jiuxin Road, Songjiang District, Shanghai, China.

Dalian Address: No.2-3 Zhenpeng East Rd., Economic and Technological Development Zone, Dalian 116600, China

TTel: 021-67618991/67801665 Fax: 021-67801625 <http://www.lanry-flow.com.cn> <http://www.ultraflowmeter.com>