

DOF6000-P Portable Serials

DOF6000 series Flow Meter consists of flow calculator, and the integrated DOF 6526 transducer to measure velocity and level at the same time.

The flow calculator can display the velocity, level, flow rate and flow totalizer. It also can be available with 4-20mA, RS232, RS485 (Modbus) /GPRS and SD card logger outputs. It can record data of flow rate and total flow with a SD card up to 16GB.



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.

The DOF6526 Velocity and Level Transducer is a unique combination of water velocity, depth and temperature instruments integrated with a solid state logger. It is a new generation of intelligent flow measurement systems.

Features:

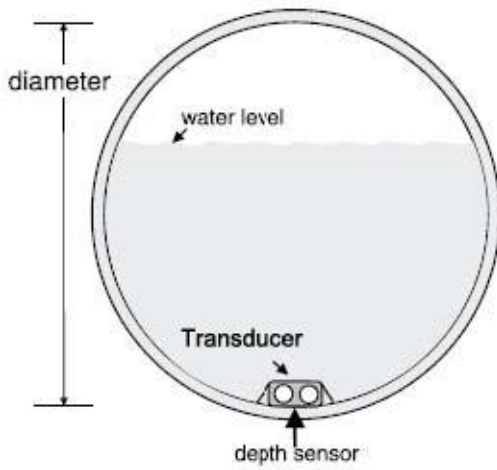
- ◆ Rechargeable battery can work up to 40 hours.
- ◆ Measure flow in partially filled pipes and open channels.
- ◆ No flume or weir required.
- ◆ Display the velocity, level, flow rate and flow totalizer.
- ◆ 4-20mA, RS485 (Modbus) /GPRS outputs are available.
- ◆ 16GB SD card data logger can be optional.
- ◆ 20 coordinate points to describe the river's shape of cross section.

Specifications:
Calculator:

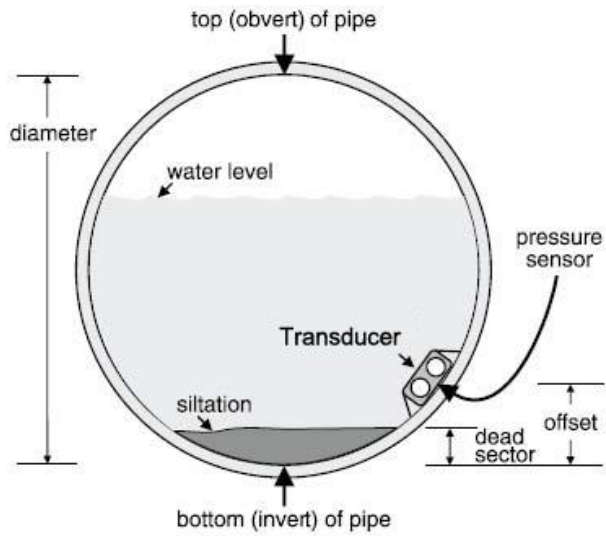
Enclosure type	Portable
Power Supply:	85~265VAC
Battery	Lithium battery, 12VDC, 12Ah, Over 40 hours working time on a full-charge
Degree of protection	IP65
Operating temperature	-20°C to +60°C
Enclosure Material	ABS
Outputs:	4-20mA, RS485(Modbus), data logger, GPRS (optional)
Size	270L×215W×175H (mm)
Weight	3kg
Data logger	16GB
Application range	Pipe: 300-6000mm; Channel: 200-6000mm

DOF6526 sensor:

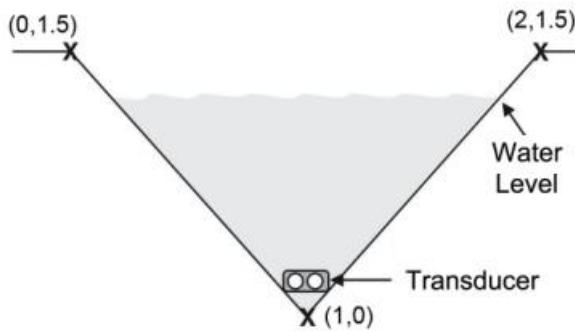
Velocity	Range:	21mm/s to 4500mm/s bi-directional
	Accuracy:	2% of measured velocity
	Resolution:	1mm/s
Depth	Range:	0m to 3.0m or 0m to 6.0m
	Accuracy:	±0.25% of calibrated lower range
	Resolution	H2 0-1m at 1mm, 1-2m at 2mm H5 0-2.5m at 2.5mm, 2.5-5m at 5mm
Temperature	Temperature:	-17°C to 60°C
	Resolution:	0.1°C
Flow	Computation:	Flow rate, flow totalizer
	Channel type:	Pipe, open channel, natural stream
General	Cable:	15 meter
	Cable Options:	User specified up to 100 meters
	Material:	PVC body, stainless steel mounting plate
	Dimensions:	290mm x 70mm x 30mm (L x W x H)
	Weight:	1kg (2kg with 15m cable)



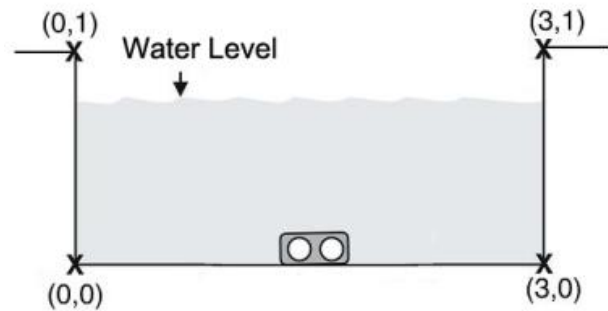
Partially pipe



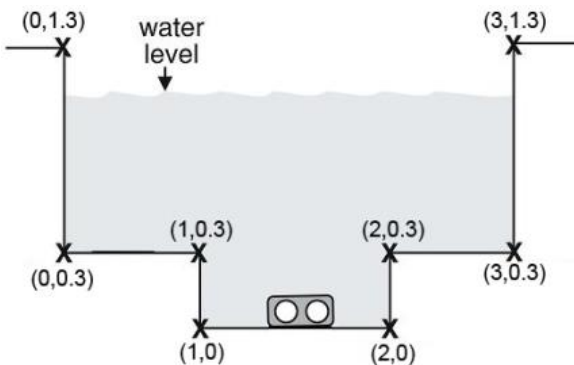
Pipe with siltation on bottom



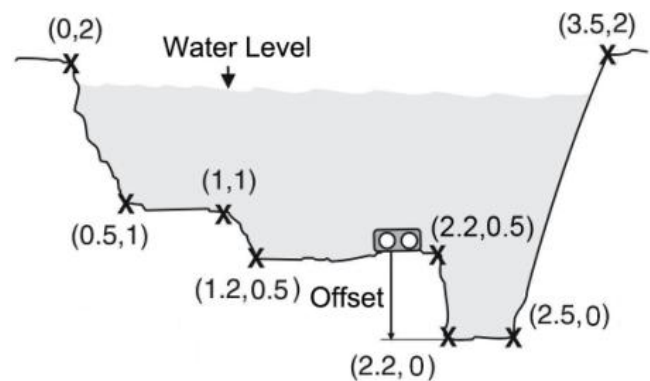
Triangle Channel



Rectangular channel

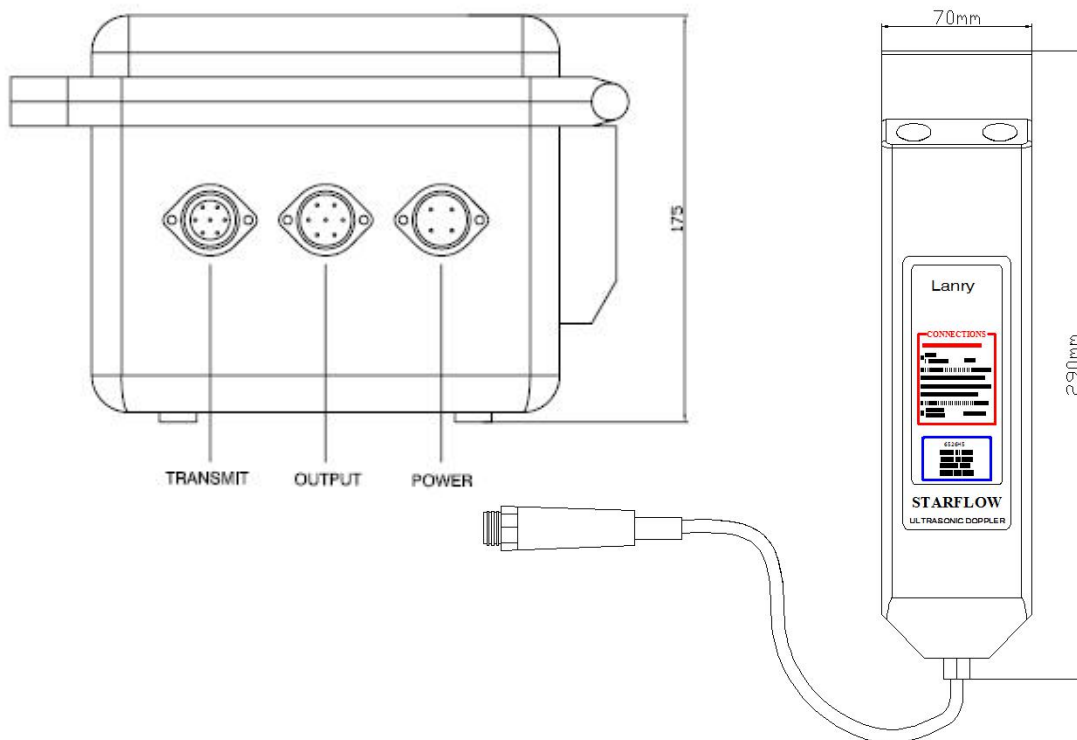
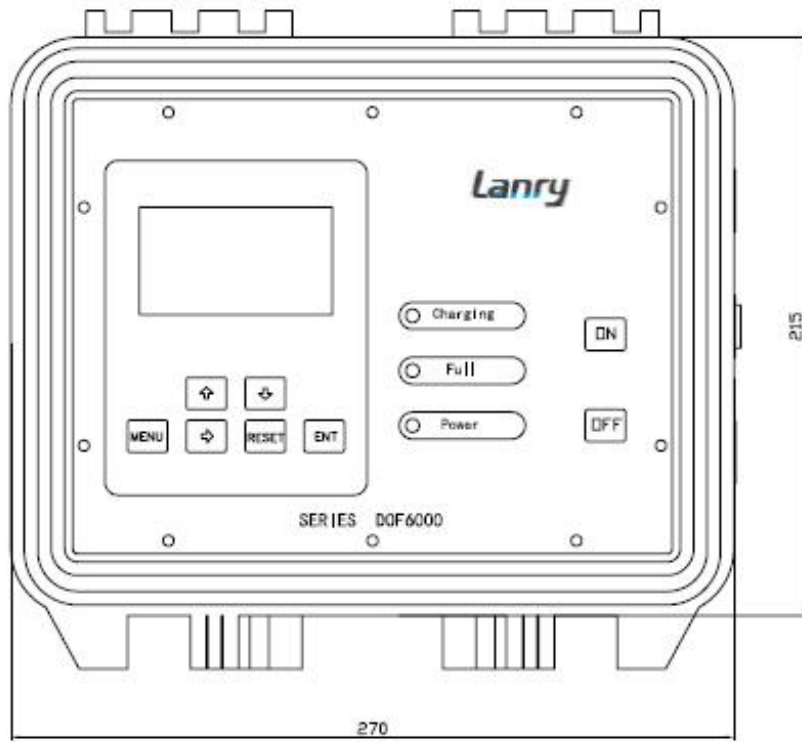


Polygonal channel



Irregular-shaped channel

Dimensions:



Images:



Portable calculator



Soft case



6526 sensor



Mounting plate

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 Caculator)						
	Output						
N	None						
C	4-20mA						
F	RS485 (Modbus)						
T	RS232						
D	Data logger						
G	GPRS						
	Level range						
2H	0 to 2m						
5H	0 to 5m						
	Sensor cable length						
15m	15m (standard)						
XXm	more length, please contact us.						
DOF6000	- P	- A	- N	M	- 5H	- 15m	(example configuration)