

ULTRASONIC OPEN CHANNEL FLOW METERS



Description

The Bass Instruments BOCF Series Open Channel Flow Meter measures water level, calculates flow and displays accurate instant/total flow rate, based on the principle that the water level is specifically related to flow rate in the standardized flumes and weirs.

With built-in data logging system, Bass Instruments BOCF enables the user to save data (level, flow rate, total flow, etc) for the **maximum period of 6 months**. The analog and pulse outputs may be preset or programmed operate remote monitoring equipment and process control equipment.



Technical Specification

Physical

Dimension	Overall 190(W)x145 mm(H)x140 mm (D) Sensor 30(D)x125(H) mm M30 mounting
Weight	Nominal 2 Kg
Cable Length	10 mt
Sensor Material	Polypropylene
Case Material	ABS

Performance

Accuracy	0.2%
Resolution	1mm
Measuring	0.20m...2m or 0,3...3,5 m 0,0~99999,9 m3/h 999999 m3
Beam Angle	8° at -3dB
Temperature Compensation	fully compensated

Environmental

IP Rating	IP65 Controller, IP68 Sensor
Temperature	-20°C...70°C
Pressure	Up to 2 Bar

Outputs

Analog Output	4...20mA into max 750Ω
Display	Graphic LDC display
Com Port	RS232/RS485 (Option)
Relay	2 SPDT Relay 5A

Certification

CE

Supply

Power Supply	24VDC
Power Consump.	15W

Ordering

BOCF.				Description
Level Range	XXX			Please fill (020 for 2m and 035 for 3,5m)
Output	A			4...20 mA and Pulse output
	B			A+one SPST relay
	C			A+two SPST relay
Communication	N			None
	U			USB datalogger

Features

- Applicable to various flumes and weirs
- 2 programmable SPDT relays
- Graphic LCD display
- Flow rate setting at 4...20 mA
- Compatible with flow switch
- Programmable pulse output