



■ Features

- Exclusive Sensor for open channels
- User Friendly Menu
- Error instruction Guide by QR Code
- RS232, RS485, Modbus
- USB Data Downloading
- USB Firmware Upgrading
- Data Logging for long term period
- Various Flumes and Weirs Formulations
 - 1) Parshall Flumes
 - 2) Suppressed Rectangular Weirs
 - 3) Contracted Rectangular Weirs
 - 4) V-Notch [Triangular] Weirs
 - 5) Cipolletti Weirs
 - 6) Leopold Lagco Flumes
 - 7) Palmer Bowllus Flumes
 - 8) H Flumes
 - 9) Trapezoidal Flumes

■ Product Description

SF-500S is an ultrasonic non-contacting flow meter for open channels. The measured level value is converted into the rate of flow in specific weirs or flumes therefore the accurate level value is very important.

LXD-04 is an exclusive sensor for open channel flow, it provides accurate level reading.

SF-500S provides a variety of weirs and flumes formulations so it can be used in different applications. The measured flow information is saved in the memory of SF-500S and it can be downloaded by USB or transmitted by the digital communication such as RS232, RS485 or Modbus.

■ Specification

Controller SF-500S

Measurement	Ultrasonic non-contacting
Measurement Range	0.00m ³ /h~200,000.00m ³ /h
Accuracy	0.2% of F.S
Resolution	1mm
Damping Rate	0.1m/min ~ 100m/min adjustable
Data Logging Period	Maximum 672 days (1hr interval)
Output	<ul style="list-style-type: none"> • 2 analog outputs for 4~20mA into max 750Ω • 3 Relays • RS232, RS485, Modbus
Display	Illuminated Graphic LCD
IP Rating	IP65
Temperature	-20°C~60°C (-4°F~140°F)
Material	Polycarbonate
Dimension	166(W)×250(H)×95(D) mm
Weight	ca. 2kg
Power Supply	<ul style="list-style-type: none"> • 100~230V AC±15%, 50/60Hz, 29VA(12W) • Fuse: 250V T1.0A • DC 9~30V, Max 8W

Sensor LXD-04

Range	0.3~4m (0.98~13ft)
Beam Angle	8°at -3dB
Process Connection	1" PF
Weight	ca. 1.0kg
Material	PVDF
Temperature	-30°C~70°C (-22°F~158°F)
	Temperature Compensation Built-in temperature sensor
IP Rating	IP68
Cable	2 Core Shield (AWG18)

Certificate CE, UL, FCC

Warranty 3 years

* The specification is subject to change without the prior notice.