

Main Specifications

▼ **Size**
 Ø63.5mm

▼ **Sensor body material**
 PP / PVDF

▼ **Sensor length**
 68.5mm (Measuring pipe size range 0.5~4")
 98.5mm (Measuring pipe size range 6~24")

▼ **Measuring flow velocity range**
 0.1 to 8M/s (0.33 to 26ft/s)

▼ **Alarm output (Option)**
 Relay x2
 HI / LO adjustable

▼ **Analog output (Option)**
 1~5V/4~20mA
 Resolution: 16bit DAC

▼ **Digital output (Option)**
 RS485
 Address: "01" ~ "FF" (0~255)
 Baud rate:
 19200/9600/4800/2400
 Protocol Modbus RTU

▼ **Pulse output (Option)**
 Synchronize input /
 Synchronize totalizer

▼ **Cable length**
 8M (Standard)
 Other lengths are available made-to-order

▼ **Max. pressure and temperature resistance**
 Sensor material adopts PP ▼
 180psi@-20 to 27°C, 25psi@85°C
 Sensor material adopts PVDF ▼
 200psi@-30 to 27°C, 36psi@90°C

▼ **Max. kinematic viscosity range**
 0.5 to 20 cSt.

▼ **Maximum particle matter**
 Particle <10%
 Particle size <0.5mm²

▼ **Storage temperature**
 -30 to 80°C

▼ **Storage humidity**
 20 to 90%R.H.

▼ **Protection level**
 IP65

Other Specifications

▼ **Screen display**
 0.4" highlight red / green LED display

▼ **Numerical display range (Adjustable)**
 Rate ▼
 0~99999
 Totalizer ▼
 0~99999999

▼ **Flow unit (Switchable)**
 Liter, GAL, M3, TON

▼ **Power supply**
 14~28VDC (Standard)

▼ **Contact rate**
 5A (@AC250V)
 7A (@DC30V)

▼ **Output load capacity**
 Voltage mode: <10mA
 Current mode: <10V

▼ **Display body material**
 NYLON66+PBT+15%GF (UL94V-0)

▼ **O-ring sealed material**
 FKM / VMQ

▼ **Rotor material**
 PFA + magnetic substance

▼ **Shaft and bearing material**
 Zirconia ceramics (ZrO₂)

▼ **Sampling frequency**
 6 cycles/sec.

▼ **Display time cycle**
 0.5 / 1 / 2.5 / 5 sec.

▼ **Accuracy**
 ±0.75% F.S.

▼ **Repeatability**
 ±0.5% F.S.

▼ **Memory mode**
 Non-volatile EEPROM

▼ **Parameter setting**
 Touch buttons

▼ **Output frequency**
 60.5Hz per m/s (Standard)
 18.45Hz per ft/s (Standard)

▼ **Pulse output pattern**
 NPN Transistor NPN open-collector

▼ **Other requests (Option)**
 Third party notarized documents
 Inspection report
 Tag

Paddlewheel Flow Controller Meter

Model: DFS-2.5SL2



Due to the variety of customization, the picture is only for reference, please confirm the actual item with our sales. (If there is any change on specification, please take the latest version as standard.)

Features

- High alarm effect, the screen automatically changes color when the alarm is activated (red/green)
- Accuracy ±0.75%F.S.
- Measuring pipe size range: 15 to 600mm (0.5~24")
- Measuring flow velocity range: 0.1 to 8M/sec.
- Wide power input range: 14-28VDC
- 4 switchable flow unit: Liter 、 GAL 、 M³ 、 TON
- Protection level: IP65
- Relay x2 alarm function is optional
- 4-20mA or 1-5V analog output function (Option)
- Digital RS-485 output (Option)

How to order

DFS-2.5SL2 Paddlewheel Flow Controller Meter									
Std.	Spec.	Code	Item	Code	Item	Code	Item	Code	Item
PP	Sensor body material	PP	PP	PVDF	PVDF	—	—	—	—
L0	Sensor length	L0	68.5mm	L1	98.5mm	—	—	—	—
RELAY	Alarm output	N	No	RELAY	Relay x2	—	—	—	—
N	Analog output	N	No	V	1~5V	A	4-20mA	—	—
N	Digital output	N	No	RS485	RS485	—	—	—	—
N	Pulse output	N	No	I	Synchronize input	T	Synchronize totalizer	—	—
FKM	O-ring material	FKM	FKM	VMQ	VMQ	—	—	—	—
8M	Cable length	8M	8M	O	Others	—	—	—	—

Order example: DFS-2.5SL2-PP-L0-RELAY-N-N-N-FKM-8M