PADDLEWHEEL FLOW SENSOR

CE

RoHS

■FEATURES

- Accuracy±0.75% of full scale
- Measuring pipe size range DN 15 to DN 600(0.5 to 24 inch)
- Measuring flow rate range 0.1 to 8 M/s(0.33 to 26 Ft/s)
- Field-rangable supply voltage from DC 5 to 24 V
- Field-rangable operting temperature from -20 to 90℃(-4 to 194℉)
- Protection class NEMA4(IP65) or NEMA6,6P(IP68)
- CE EMC certification

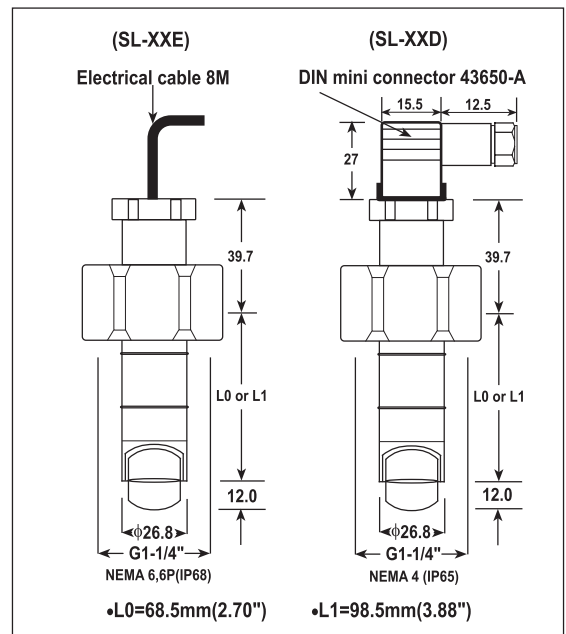## 1.MODEL:SL-☐ ☐ ☐ ☐

NO	Sensor body (Operating Temperature)	NO	Sensor Length	NO	Electrial Connection/Protection Class	NO	O-rings
P	Polypropylene(-10~+85℃)	0	68.5mm(L0)	D	DIN mini-connection 43650-A/IP65	F	FKM(viton)
V	Natural PVDF(-20~+90℃)	1	98.5mm(L1)	E	Electrical cable 8M/IP68	V	VMQ
		•L0(0.5 to 3 in)•L1(4 to 24 in)		S	Electrical cable(customer)/IP68		

2.SPCIFICATION

- Supply voltage input : DC 5 to 24V±5%(<5mA)
- Measuring accuracy : ±0.75% of full scale
- Repeatability : ±0.5% of full scale
- Pipe size range : 0.5 to 4 inch(DN15 to DN100)(L0)
  5 to 24 inch(DN150 to DN600)(L1)
- Output frequency : 60.5Hz per m/s nominal,18.45Hz per ft/s nominal
- Pulse output type : Transistor NPN open-collector(<30mA)
- Sensor body material : Polypropylene or Natural PVDF
- Rotor material : PFA + Magnetic
- Shaft and beasings material : Zirconia ceramic(ZrO2)
- O-rings material : FKM(viton) or VMQ
- Electrial connection : DIN mini-connector 43650-A(IP65)
  Electrial cable(IP68)
- Cable type : 3 conductor + shield,26AWG,PVC(105℃)
- Reverse voltage protection : Included as standard
- Measuring kinematic viscosity range : 0.5 to 20 centi stokes (cst)
- Maximum particle matter : <10% with particle size(<0.5mm^2 cross section or length)
- Maximum operating pressure/temperature : PP body (180 psi@-20 to 27℃,25 psi@80℃)
  PVDF body (200 psi@-20 to 27℃,36 psi@90℃)
- Storage condition : PP body (-30 to 90℃)
  PVDF body (-30 to 100℃)
- CE EMC Certification : EN 55022:1998/A1:2000 Class A
  EN 61000-3-2:2000
  EN 61000-3-3:1995/A1:2001
  EN 55024:1998/A1:2001

3.DIMENSION(unit:mm)

(SL-XXE)
Electrical cable 8M

(SL-XXD)
DIN mini connector 43650-A
15.5 12.5
27
39.7
39.7
L0 or L1
L0 or L1
12.0
12.0
φ26.8
φ26.8
G1-1/4"
G1-1/4"
NEMA 6,6P(IP68)
NEMA 4 (IP65)

- L0=68.5mm(2.70") •L1=98.5mm(3.88")

4.TERMINAL CONNECTION

3 cond .+ shield,
28AWG.PVC(105℃)

(SL-XXE)
Brown — V+
Black — O/P
Blue — COM
Drain Wire
V+
I/P
COM

(SL-XXD)
V+
COM
O/P
GND
Drain Wire
V+
I/P
COM
FLOW Controller