

# 轉子式流量控制錶

( PADDLEWHEEL FLOW CONTROLLER METER )

MODEL  
SL2



## ■特點(FEATURES)

- 高警報效果,當警報動作時顯示幕自動變換顏色(紅/綠色)  
(Auto. change red or green display when alarm status changes)
- 精確度±0.75%滿刻度 (Accuracy ±0.75% of full scale)
- 量測管徑範圍15至600mm(0.5至24英吋)(Measuring pipe size range DN 15 to DN 600(0.5 to 24 inch.))
- 量測流速範圍0.1至8米/秒(0.33至26英尺/秒)(Measuring flow velocity range 0.1 to 8 M/s(0.33 to 26 Ft/s))
- 寬範圍電源輸入,直流14至28伏特(Field-rangable supply voltage from DC 14 to 28 V)
- 4種流量單位可任意設定(Display flow units Liter,GAL,M<sup>3</sup>,TON can be modified)
- 2組警報功能(Dual alarm function) (optional)
- 16BIT 類比輸出功能(16 bit DAC analog output function)(optional)
- 數位RS-485界面(Digit RS-485 interface function)(optional)
- 防護等級NEMA4/IP65(Protection class NEMA4/IP65)

## 1. MODEL: SL2-□□□□□□□□

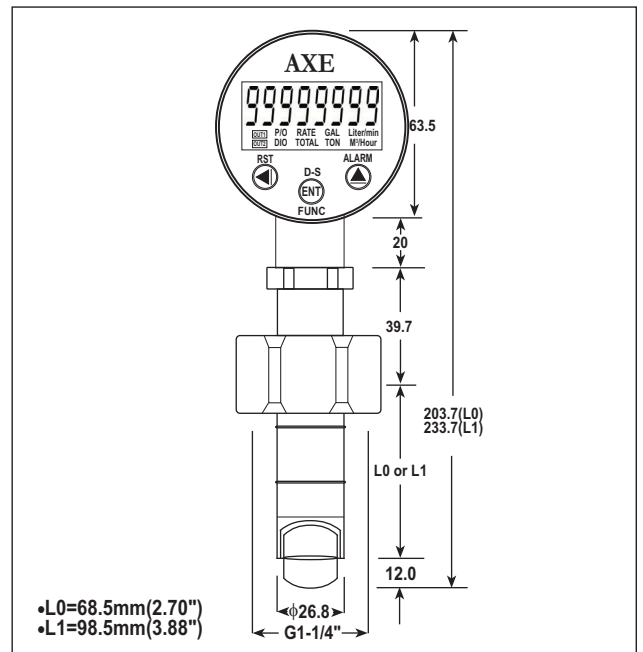
(選購型號)

NO	Sensor body	NO	Sensor Length	NO	Alarm Output	NO	Analog Output	NO	RS-485 Output	NO	Pulse Output	NO	O-rings	NO	Cable length
P	Polypropylene	0	68.5mm(L0)	0	None	0	None	N	None	N	None	F	FKM(全氟化橡膠)	8	8M(standard)
V	Natural PVDF	1	98.5mm(L1)	2	Two Relay	1	DC1~5V	Y	RS-485	I	Synchronize input	V	VMQ(丁基橡膠)	9	Customer
			●L0(Pipe size 0.5 to 4 in) ●L1(Pipe size 6 to 24 in)		●Relay contact (AC250V-5A,DC30V-7A)		2 DC4~20mA 9 Customer				T Synchronize totalizer				

## 2. SPECIFICATION (主要規格)

- Supply voltage (電源輸入) : DC 14 to 28V
- Measuring accuracy (精確度) : ±0.75% F.S.
- Repeatability (重現性) : ±0.5% F.S.
- Input sampling(output responses) time (輸入取樣(輸出反應)時間) : 6 cycles/sec.
- Readout (compare) range (顯示值(比較值)範圍) : 0~99999 adjustable(rate)  
0~99999999 adjustable (totalizer)
- Indication (sampling)cycl (顯示時間週期) : 0.5/1.0/2.5/5.0 S selective
- Relay output mode (繼電器輸出模式) : HI or Lo adjustable
- Relay contact out (繼電器容量) : AC250V-5A,DC30V-7A
- Analog output resolut (類比輸出解析度) : 16 bit DAC
- Output drive capability (輸出負載能力) : <10mA for voltage mode  
<10V for current mode
- RS-485 address (通訊位址) : "00"~"FF"(0~255)
- RS-485 baud rate (傳輸速率) : 19200/9600/4800/2400 selective
- RS-485 protocol (通訊協議) : Modbus RTU mode
- Output frequency (輸出頻率) : 60.5Hz per m/s nominal,18.45Hz per ft/s nominal  
(Max.10Hz(synchronizer totalizer last digit))
- Pulse output type (脈波輸出型態) : Transistor NPN open-collector(Max.DC60V/100mA)
- Display (顯示幕) : Bright red/green LEDs high 10.16mm (0.4")
- Parameter setting (參數設定方式) : Touch switches
- Memory mode (記憶型式) : Non-volatile E<sup>2</sup> PROM memory
- Sensor body material (感應器本體材質) : Polypropylene or Natural PVDF
- Rotor material (轉子材料) : PFA + Magnetic
- Shaft and bearings material (軸心與軸承材料) : Zirconia ceramic(ZrO<sub>2</sub>)(SL-P/V)
- O-rings material (密封材料) : FKM(viton) or VMQ
- Display housing materials (顯示器本體材質) : NYLON66+PBT+15%GF(UL94V-0)
- Measuring kinematic viscosity range (量測動態黏度範圍) : 0.5 to 20 centi stokes (cst)
- Maximum particle matter (最大雜質顆粒容許) : <10%(particle),<0.5mm<sup>2</sup>(particle size)°C
- Maximum operating pressure/temperature (最高使用溫度與壓力) : PP body (180 psi@-20 to 27°C,25 psi@85°C)  
PVDF body (200 psi@-30 to 27°C,36 psi@90°C)
- Storage condition (存放環境條件) : -30 to 80°C (20 to 90RH non-condensed)
- CE EMC Certification (CE 認證) : 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) (外型尺寸)



## 4. TERMINAL CONNECTION (接線圖)

