

薄型位移感測器(LVDT)傳送/警報控制電驛

(SLIM TYPE LVDT SENSOR TRANSMITTER & CONTROLLER METER RELAY)

MODEL
STLTR



■特點(FEATURES)

- 精確度 $\pm 0.25\%$ 滿刻度(Accuracy $\pm 0.25\%$ F.S.)
- 可量測3/5/6線式LVDT感測器(Measuring three/five/six wire LVDT sensor)
- 顯示範圍-19999~99999可任意規劃(Programmable rate -19999~99999 digit)
- 2組警報功能(Max.two alarm function)(optional)
- 16 BIT 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)
- 寬範圍交直流兩用電源設計(Wide input range for auxiliary power)
- 尺寸小,穩定性高(Dimension small & High stability)

1.MODEL:STLTR-

(選購型號)

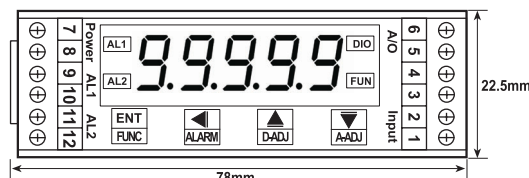
NO	Input Wiring	NO	Measurement Range (Exciting voltage/Frequency)	NO	Alarm output	NO	Analog output	NO	RS-485	NO	Aux.Power
1	3-wire LVDT	2.5	0~2.50mm(± 1.25 mm) (2V RSM/1.2KHz)	0	None	0	None	N	None	A	AC/DC18~60V
2	5/6-wire LVDT	6.5	0~15.00mm(± 7.50 mm) (3.5V RSM/150Hz)	1	One	1	DC4~20mA	Y	RS-485	B	AC/DC90~260V
*3-wire LVDT is half-bridge 4-wire LVDT		15	0~50.00mm(± 25.00 mm) (0.5V RSM/2KHz)	2	Two	2	DC0~10V	•Modbus mode •256 nodes on bus		•Less 4VA for AC/DC input	
		50	Other LVDT SPECIFIED	•When analog & RS-485 output only one alarm output		9	SPECIFIED	•When two-alarm output only one analog output or another RS-485 output			
		XX									

2.SPECIFICATION(主要規格)

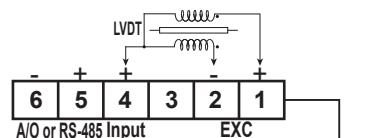
- Measuring accuracy (精確度)($23\pm 5^{\circ}\text{C}$) : $\pm 0.25\%$ F.S.
- Sampling time (取樣時間) : 16cycles/sec.
- Readout range (顯示值範圍) : -19999~99999 digit adjustable
- Alarm delay time (繼電器延遲動作時間) : 0~99 second adjustable
- Alarm action (繼電器動作方向) : HI or Lo adjustable
- Relay contact output (繼電器容量) : AC250V-2.5A,DC30V-5A
- Analog output resolution (類比輸出解析度) : 16 bit DAC
- Response time (輸出反應速度) : <250ms(0~90%)
- Output drive capability (輸出負載能力) : <10mA for voltage mode
<10V for current mode
- Output ripple(p-p) (輸出之漣波) : 0.1%F.S.
- RS-485 address (通訊位址) : "00"~"FF"(0~255)
- RS-485 baud rate (傳輸速度) : 19200/9600/4800/2400 selective
- RS-485 protocol (通信協議) : Modbus RTU mode
- Temp. coefficient (溫度係數) : 50ppm/ $^{\circ}\text{C}$ (0~50 $^{\circ}\text{C}$)
- Display (顯示幕) : Red high efficiency LEDs high 6.8mm(0.268")
- Parameter setting (參數設定方式) : Touch switches
- Memory mode (記憶型式) : Non-volatile E²PROM memory
- Dielectric strength (絕緣耐壓能力) : 2KVac/1 min.(input/output/power)
1600Vdc(input/output)
- Operating condition (使用環境條件) : 0~60 $^{\circ}\text{C}$ (20 to 90% RH non-condensed)
- Storage condition (存放環境條件) : 0~70 $^{\circ}\text{C}$ (20 to 90% RH 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
EN55024:1998/A1:2001

3.OUTSIDE DIMENSION(unit=mm) AND CONNECTION DIAGRAM

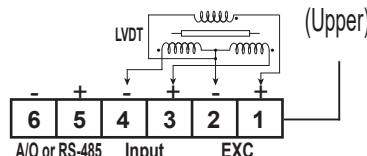
(外型尺寸(unit=mm)與配線圖)



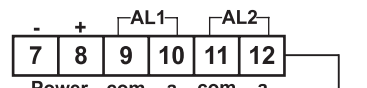
•3-wire LVDT



•5/6-wire LVDT



•Relay output



•Relay & RS-485 output

