

# 水平式RS485控制2組類比信號輸出隔離模組

(HORIZONTAL TYPE RS-485 CONTROLLER 2 CHANNEL ANALOG OUTPUT ISOLATED MODULE)

MODEL  
HMRS1



## ■特點(FEATURES)

- 類比輸出精確度 $\pm 0.05\%$ 滿刻度(Analog output accuracy  $\pm 0.05\%$  F.S.)
- 顯示範圍-19999~99999位數(Readout range form -19999~99999 digit)
- 可同時顯示與輸出類比功能(DC4~20.000mA/0~20.000mA/two-wire 4~20.000mA/0~5.000V/0~10.000V)  
(Calibrator analog output for DC4~20.000mA/0~20.000mA/two-wire 4~20.000mA/0~5.000V/0~10.000V)
- 通訊協議Modbus RTU模式(Modbus RTU mode for RS-485 protocol)
- 4組繼電器輸出功能(Four relay output function)(optional)
- 2組16 BIT類比輸出功能(Two 16 bit DAC analog output(Voltage/current/two-wire current))
- 內建看門狗功能(Built-in watchdog function)

## 1.MODEL:HMRS1-☐ ☐

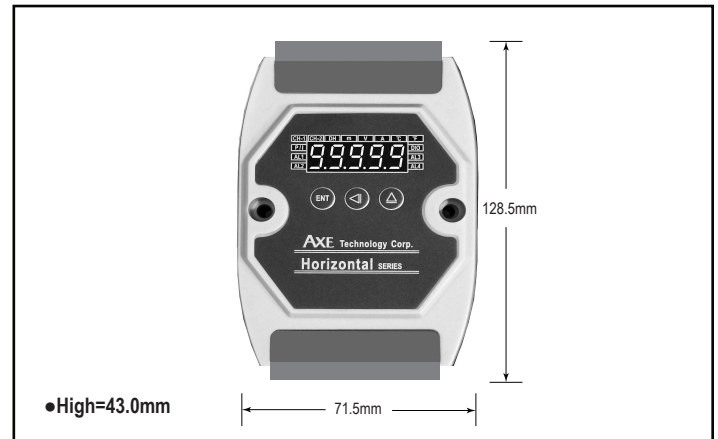
(選購型號)

| NO | Relay output          | NO | Analog output                                          | NO | Analog output                                         |
|----|-----------------------|----|--------------------------------------------------------|----|-------------------------------------------------------|
| N  | None                  | N  | None                                                   | A2 | DC0~5V/0~10V<br>DC0~20mA/4~20mA<br>DC4~20mA(Two-wire) |
| P  | Pulse(Four)           | A1 | DC0~5V/0~10V/<br>DC0~20mA/4~20mA<br>DC4~20mA(Two-wire) |    |                                                       |
| R  | Relay(Four)           |    |                                                        |    |                                                       |
| M  | Photo Mos Relay(Four) |    |                                                        |    |                                                       |

## 2.SPECIFICATION(主要規格)

- Aux.power supply :DC10~30V( $\leq 1.6W$ ),HMRS1-NX  
(輔助電源) ( $\leq 2.6W$ ),HMRS1-RX
- Analog output accuracy : $\pm 0.05\%$  F.S.  
(類比輸出精確度)( $23\pm 5^\circ\text{C}$ )
- Readout range :-19999~99999 digit (RS-485)  
(顯示值範圍) DC0~5.000V/0~10.000V(Voltage)  
DC0~20.000mA/4~20.000mA(current)  
DC4~20.000mA(two-wire current)  
(Exciting Voltage DC10~28V)
- Pulse input type :One-short ON( $\geq 10\text{ms}/\text{Max } 100\text{Hz}$ )  
(脈波輸入型式)
- Analog output range :DC0~5V/0~10V/DC0~20mA/4~20mA  
(類比輸出規格) 4~20mA(Two-wire)can be modified
- Analog output resolution :16 bit DAC(Isolation)  
(類比輸出解析度)
- Analog output slope :0.125~1024mA/sec.(current output)  
(類比輸出斜率) 0.0625~512V/sec.(voltage output)
- Output drive capability : $\leq 10\text{mA}$  for voltage mode  
(輸出負載能力)  $\leq 10V$  for current mode  
 $\leq (V_{\text{exc}}-7.5V)/20\text{mA}$  for two-wire mode
- Relay contact output :AC250V-5A,DC30V-5A  
(繼電器容量)
- Pulse output type :Photocouple of open-collector  
(脈波輸出型式) (DC3.5~250V, $\leq 120\text{mA}$ )
- Photo Mos relay output :AC/DC3.5~50V, $\leq 0.8A$   
(Photo Mos繼電器容量)
- RS-485 address : "00"~"FF"(0~255)  
(通訊位址)
- RS-485 baud rate :1200~115200 selective  
(傳輸速度)
- RS-485 protocol :Modbus RTU mode(250 nodes on bus)  
(通信協議)
- Temp. coefficient :50ppm/ $^\circ\text{C}$  (0~50 $^\circ\text{C}$ )(Analog output)  
(溫度係數)
- Display :Red high efficiency LEDs high 6.80mm(0.268")  
(顯示幕)
- Parameter setting :Touch switches  
(參數設定方式)
- Memory mode :Non-volatile E<sup>2</sup>PROM memory  
(記憶型式)
- Dielectric strength :2KVac/1 min.(output1/output2/power/RS-485)  
(絕緣耐壓能力) 1600Vdc(RS-485/output)
- Operating condition :0~50 $^\circ\text{C}$  (20 to 90% RH non-condensed)  
(使用環境條件)
- Storage condition :0~70 $^\circ\text{C}$  (20 to 90% RH non-condensed)  
(存放環境條件)
- Construction :35mm DIN rail(EN50021)  
(安裝方式)
- CE EMC Certification :EN 55022:1998/A1:2000 Class A  
(CE 認證) EN 61000-3-2:2000  
EN 61000-3-3:1995/A1:2001  
EN55024:1998/A1:2001

## 3.OUTSIDE DIMENSION(外型尺寸)



## 4.TERMINAL CONNECTION(配線圖)

