

類比與脈波輸入流量瞬間量/累積量(10位數)顯示控制電錶 (PULSE/ANALOG INPUT FLOW RATE/TOTALIZER CONTROLLER METER)

**MODEL
MAFRT**



■特點(FEATURES)

- 精確度0.05%滿刻度±1位數(Accuracy 0.05% F.S.±1 digit)
- 可同時量測與顯示瞬間量(5位數)/累積量(10位數)
(Measuring and display rate(5 digits)/totalizer(10 digits))
- 5種流量單位可任意設定(Display flow unit TON/M³/Liter/GAL/CC can be modified)
- 4種時間基數可任意規劃(Programable time base 1 or 60 or 3600 or 86400 second)
- 具有開根號功能(Math-rootextractor function,rootextractor contain 0.5/1.5/2.5)
- 具有16段線性折補功能(Correction (16 segments) for non-linearity function)(optional)
- 4組警報功能(Four alarm function) (optional)
- 16 BIT 隔離類比輸出(16 bit DAC isolating analog output function) (optional)
- 數位 RS-485 界面(Digit RS-485 interface function) (optional)

1.MODEL:MAFRT-□□□-□□□□
(選購型號)

NO	Input Type	NO	Input Type	NO	Linearity function	NO	Alarm output	NO	Analog output	NO	RS-485	NO	Aux. Power
A	DC1~5V & NPN/PNP Voltage pulse	O	SPECIFIED	N	None	0	None	N	None	N	None	A	AC/DC18~60V
B	DC4~20mA & NPN/PNP Voltage Pulse			Y	16 point(Correction for non-linearity)	2	Two(Relay)	I	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	DC1~5V & Magnetic pick-up					4	Four(Relay)	V	DC0~10V				
D	DC4~20mA & Magnetic pick-up					2E	Two(Transistor(NPN))	R	SPECIFIED				

2.SPECIFICATION (主要規格)

- Measuring accuracy : 0.05% F.S.±1 digit(Rate/Analog input)
(精確度) (23±5°C)
- Readout/compare range : 0~99999 digit(Rate)
(顯示值/比較值範圍) 0~999999999 digit(Totalizer)
- Input type : DC4~20mA/DC1~5V(Analog)
(輸入型式) Current sourcing(NPN)/Current sinking(PNP)/Switch contact(Pulse)(inside jump selectable)
- Count input trigger levels : High level: V_{IH}=DC4~30V(Pulse)
(脈波觸發電位) V_{IH}=AC30mV~30V(Magnetic pick-up)
V_{IH}=Rmax.<500 ohm(Switch contact)
Low level: V_{IL}=DC0~2V(Pulse)
V_{IL}=AC0~20mV(Magnetic pick-up)
V_{IL}=Rmax.>1K ohm(Switch contact)
- Max.count rates : <10KHz(50% duty cycle(Pulse))
(最高輸入頻率) <1KHz(Magnetic pick-up)
<100Hz(Switch contact)
- Alarm action : HI or Lo adjustable
(繼電器動作方向)
- Relay contact output : AC 250V-5A, DC 30V-7A
(繼電器容量)
- Analog output resolution : 16 bit DAC
(類比輸出解析度)
- Response time : < 50ms(0~90%)
(輸出反應速度)
- Output drive capability : < 10mA for voltage mode
(輸出負載能力) < 10V for current mode
- Pulse output : Photo couple of open-collector(Max.DC30V/50mA)
(脈波輸出容量) (Synchronize totalizer)(Max.100Hz)
- RS-485 address : "01"~"FF"(0~255)
(通訊位址)
- RS-485 baud rate : 38400/19200/9600/4800/2400 selective
(傳輸速度)
- Temp. coefficient : 50ppm/°C (0~50°C)
(溫度係數)
- Display : Red high efficiency LEDs high 10.16mm(0.4")
(顯示幕)
- Memory mode : Non-volatile E² PROM memory
(記憶型式)
- Dielectric strength : 2KVac/1 min. (input/output/power)
(絕緣耐壓能力) 1600Vdc (input/output)
- Operating condition : 0~50°C (20 to 90% RH non-condensed)
(使用環境條件)
- Storage condition : 0~70°C (20 to 90% RH non-condensed)
(存放環境條件)
- 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
EN 55024:1998/A1:2001

3.OUTSIDE DIMENSION AND CONNECTION DIAGRAM

(外型尺寸與開孔尺寸與配線圖)

