



- Accuracy:  $\pm 0.03\%$  F.S.; Input frequency: 0.001Hz~10KHz
- Measuring Frequency / DC Pulse / Magnetic
- High brightness 0.8"/0.56" LED display:  
-19999~99999/-199999~999999 decimal point selectable.
- Line-Speed / RPM / Frequency selectable
- Line unit: M, Ft, Y/min selectable
- 1~4 Alarms (Hi or Lo) programmable / Analog output (16 bit resolution) / RS-485 communication optional (The above options can exist together)
- High stability, non-flammable case (PC), high safety
- CE approval

## ORDER INFORMATION

MA5H-R - Code1 - Code2 - Code3 Code4 Code5  
 MA6H-R

Code1	Input Signal	Code2	Aux. Power	Code3	Alarm Output	Code4	Analog Output
N5	NPN(5V)	A	AC/DC100~240V	N	None	N	None
N2	NPN(12V)	C	DC 22~50V	R1	1 Relay	A	4~20mA
P5	PNP(5V)			R2	2 Relays	V	0~10V
P2	PNP(12V)			R3	3 Relays	O	Option
VE	DC 24Vp			R4	4 Relays		
CT	Contact			O1	1 Open Collect	Code5	RS-485 Output
				O2	2 Open Collect	N	None
				O3	3 Open Collect	Y	Yes
				O4	4 Open Collect		

## SPECIFICATION

- ◆ Accuracy:  $\pm 0.03\%$  F.S.
- ◆ Display Screen: High brightness red LED: 20.3mm(0.8") / 14.22mm(0.56")
- ◆ Max. Input Frequency: 10KHz(50% duty cycle)
- ◆ Sampling Cycle: 10 cycles / sec: >10Hz
- ◆ Display Range: 0~99999/0~999999
- ◆ Over Range Indication: doFL / ioFL
- ◆ Parameters Setting: Push buttons
- ◆ Back Up Memory: EEPROM
- ◆ Alarm Action: " $\geq$  (Hi) on" or "< (Lo) on"
- ◆ Alarm Hysteresis Range: 0~9999
- ◆ Alarm Run Delay Time: 0~9999 sec
- ◆ Relay Contact: AC 277V / 7A; DC 30V / 7A
- ◆ Analog Output Resolution: 16 bit
- ◆ Output Response Time: <250 msec (0~90%)
- ◆ Output Capability: Voltage Output: <20mA  
Current Output: <10V
- ◆ Communication: RS-485 Modbus RTU mode
- ◆ Baud Rate: 19200 / 9600 / 4800 / 2400 bps
- ◆ Operating Temperature: 0~60 °C
- ◆ Operating Humidity: 20~90% RH (non-condensing)
- ◆ Storage Temperature: -10~70 °C
- ◆ Storage Humidity: 20~90% RH (non-condensing)
- ◆ Power Supply: AC/DC 10~240V, DC22~50V
- ◆ Power Consumption: 3.5VA(2 Relay);3VA(no Relay)
- ◆ Surge Test: 2KVac / 1min (Input / Power)
- ◆ Dimensions: 96(W)\*48(H)\*120(D) mm
- ◆ Weight: About 250 g

## WIRING CONNECTION

### Input Function

1	2	3	4	5	6
EXC+	INA	INB			COM

### External Control Function

8	9	10	11
AZ	HOLD	MAX	COM

### Output Function

● A/O output

23	24
+	-
A/O	

● RS-485 output

25	26
+	-
RS-485	

### Power

● AC Power

12	13
+	-
AC/DC 100~240V	

● DC Power

12	13
+	-
DC 22~50V	

### Relay Function

● Relay x1~3

14	15	16	17	18	19	20	21	22
A	C	B	A	C	B	A	C	B
AL1			AL2			AL3		

● Relay x4

14	15	16	17	18	19	20	21	22
A	C	B	A	C	A	C	A	C
AL1			AL2		AL3		AL4	