

- Accuracy:  $\pm 0.1\%$  F.S.  $\pm 1$  digit (DC / Potentiometer / Resistor / PT-100 / Load Cell)  
 $\pm 0.2\%$  F.S.  $\pm 1$  digit (AC)
- Measuring AC, DC Voltage / AC, DC Current / Potentiometer / Resistor / PT-100 / Load Cell)
- High brightness 0.8" LED display range: -19999~99999; decimal point selectable
- Display range programmable
- Max. Hold / Data Hold / Reset / 2~4 Alarms (Hi or Lo) programmable / Analog output (15 bit resolution) / RS-485 communication optional (The above options can exist together)
- High stability, non-flammable case (PC), Meter depth 78 mm, easily installation
- 4 Input signals & display selectable function available(S01~S03)

## SPECIFICATION

- ◆ Accuracy:  $\pm 0.1\%$  F.S.  $\pm 1$  digit (DC / Potentiometer / Resistor / PT-100 / Load Cell)  
 $\pm 0.2\%$  F.S.  $\pm 1$  digit (AC)
- ◆ Display Screen: High brightness red LED; 20.3mm(0.8")
- ◆ Sampling Time: 60 cycles / sec
- ◆ Display Range: -19999~99999
- ◆ Zero Adjustment: -19999~99999
- ◆ Over Range Indication: doFL / ioFL or -doFL / -ioFL
- ◆ Polarity Indication: Automatic with "-" indication
- ◆ Parameters Setting: Push buttons
- ◆ Back Up Memory: EEPROM
- ◆ Alarm Action: " $\geq$  (Hi) on" or "< (Lo) on"
- ◆ Alarm Run Delay Time: 0~9999
- ◆ 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
- ◆ Temperature Coefficient: 100ppm /  $^{\circ}\text{C}$  (0~60 $^{\circ}\text{C}$ )
- ◆ Operating Temperature: 0~60 $^{\circ}\text{C}$
- ◆ Operating Humidity: 20~90% RH (non-condensing)
- ◆ Storage Temperature: -10~70 $^{\circ}\text{C}$
- ◆ Storage Humidity: 20~90% RH (non-condensing)
- ◆ Power Supply: AC/DC 100~240V; DC 22~50V
- ◆ Power Consumption: 8.5VA (all functions output)
- ◆ Surge Test: 1.5kVac / 1min (Input / Power)
- ◆ Input Impedence: Voltage: >2V for 20k $\Omega$  / V;  $\leq 2\text{V}$  for >200M $\Omega$   
Current:  $\geq 0.2\text{A}$  at 100mV; <0.2A at 1V

## ORDER INFORMATION

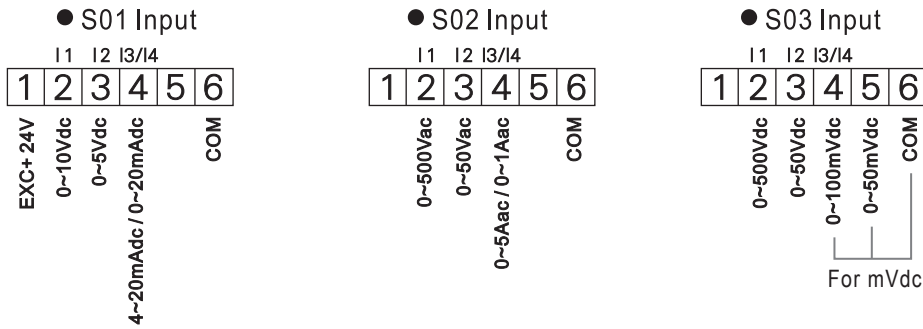
MA5H-A - Code1 Code2 - Code3 - Code4 Code5 Code6

Code1	Input Type	Compound Input	Code3	Aux. Power	Code4	Alarm Output
D	DC	S01 0~10Vdc/0~5Vdc/ 4~20mAdc/0~20mAdc	A	AC/DC100~240V	N	None
A	AC AVG		C	DC 22~50V	R1	1 Relay
M	AC TRMS	S02 0~500Vac/0~50Vac/ 0~5Aac/0~1Aac			R2	2 Relays
P	3 Wire Potentiometer				R3	3 Relays
I	2 Wire Resistor	S03 0~500Vdc/0~50Vdc/ 0~100mVdc/0~50mVdc			R4	4 Relays
T	PT-100				O1	1 Open Collect
L	Load Cell	After select Compound Input, could not select Code2.			O2	2 Open Collect
2	2, 3 Wire Sensor				O3	3 Open Collect
4	4 Wire Sensor				O4	4 Open Collect

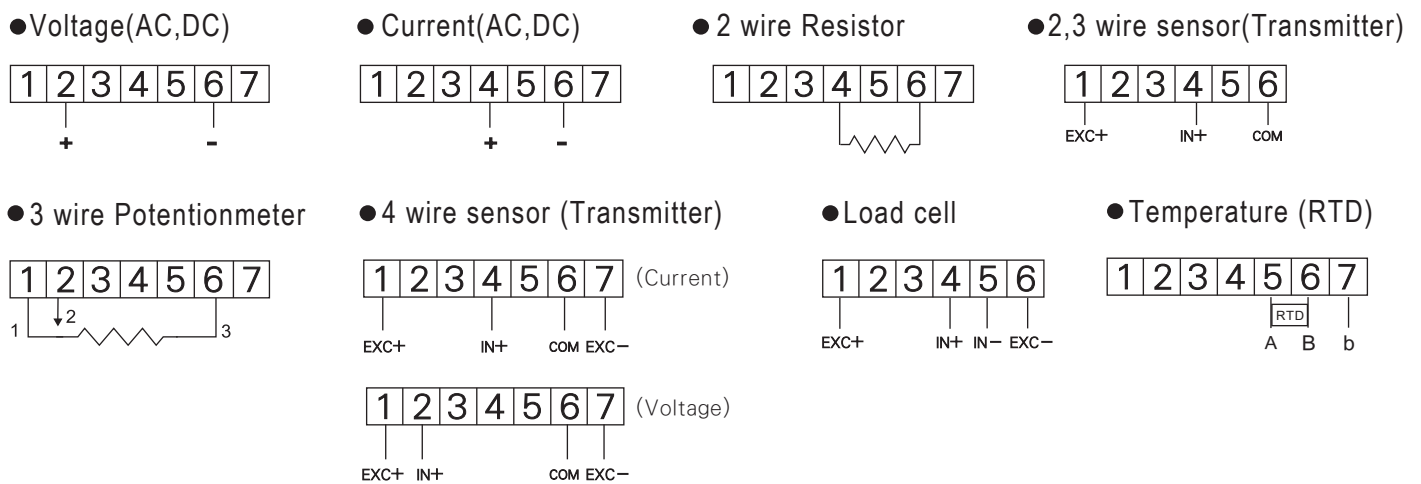
Code2	Voltage	Current	Potentiometer	Resistor	Code5	Analog Output
V1	0~50mV	A1 0~20uA	P1 500 $\Omega$ ~10K $\Omega$	I1 0~10 $\Omega$	N	None
V2	0~5V	A2 0~200uA	P2 10K $\Omega$ ~100K $\Omega$	I2 0~100 $\Omega$	A	4~20mA
V3	1~5V	A3 0~2mA	P3 100K $\Omega$ ~1M $\Omega$	I3 0~1K $\Omega$	V	0~10V
V4	0~10V	A4 0~20mA	PO Option	I4 0~10K $\Omega$	O	Option
V5	0~36V	A5 0~200mA		I5 0~100K $\Omega$		
V6	0~300V	A6 4~20mA		IO Option		
V7	0~600V	A7 0~2A				
VO	Option	A8 0~5A	Load Cell	Temp. (PT-100)	N	None
		A9 0~10A	L1 1mV/V EX.5V	T1		
		AO Option	L2 2mV/V EX.5V	T2		
			L3 3mV/V EX.5V	T3		
				T4		
				TO		

# WIRING CONNECTION

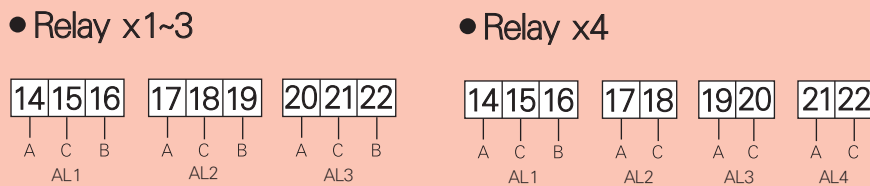
## Compound Input (S01,S02,S03)



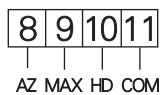
## Input Function



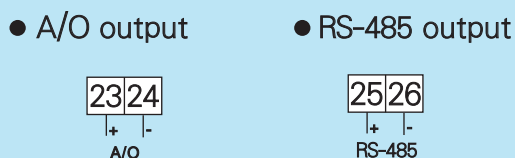
## Relay Function



## External Control Function



## Output Function



## Power

