

Selection Guide

Digital multi panel meter(MT4Y/MT4W series)

Ordering information

MT	4	W	-	DV	-	4	N																																																									
Item	Digit	Size	Measuring input	Power supply	Output																																																											
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Specifications

Model	MT4Y-DV	MT4Y-DA	MT4Y-AV	MT4Y-AA	MT4W-DV	MT4W-DA	MT4W-AV	MT4W-AA
Appearances & Dimensions								
Power supply	100-240VAC 50/60Hz(90-110% of rated voltage)							
Max. input specification	500VDC	5ADC	500VAC	5AAC	500VDC	5ADC	500VAC	5AAC
Max. display range	-1999 to 9999 (4digit)							
Display method	7Segment LED Display							
Various display unit	<small>V VV kV kV μV mV mA A A kA μA mA VA KVA W kW mm cm m m' m² m³ km³ M³ m³ kg³ %³</small> <small>mg kg g °C °F μA μA kΩ rpm % %RH mmHg var kvar dB N J μbar HP kWh cal cos φ Hz l °C_{dry} lx</small>							
Prescale function	Input value×Scale value(0.100 to 5.000)=Display value(Value depends on dot position)							
Error correction	Correct the error of high/low-limit							
Preset output	<ul style="list-style-type: none"> • NPN open collector output (12-24VDC Max. 50mA) • PNP open collector output (12-24VDC Max. 50mA) 				<ul style="list-style-type: none"> • Relay output (3output 3A 250VAC, 3A 30VDC) • NPN open collector output (12-24VDC Max. 50mA) • PNP open collector output (12-24VDC Max. 50mA) 			
Optional	• RS485 communication output • Low-speed serial output • BCD output • DC4-20mA Analog output							
Monitoring function	Check Max/Min value and display (Monitoring delay time setting function 0~30sec)							
AC measuring method	Selectable RMS or AVG							
Frequency measuring function	Measurement range:0.100-9999Hz(Fixed decimal point type)							
Display accuracy	<p>(Note1) DC type: F · S ±0.1% Rdg ±2digit } 23°C ±5°C 35-85%Rh</p> <p>AC type: F · S ±0.3% Rdg ±3digit }</p>							
A/D conversion method	Practical Over sampling using successive approximation ADC							
Sampling cycle	DC type:50ms, AC type:16.6ms(Resolution 1/12000)							
Main output	Relay output		• Contact capacity : 250VAC 3A, 30VDC 3A		• Contact composition: N.O(1a)			
	NPN open collector output							
	PNP open collector output							
Sub output (Transmission output)	RS485 communication output		• Baud rate : 1200/2400/4800/9600bps		• Communication type : 2 wires half duplex		• Tuning method : Sub-synchronization	
	Serial output							
	BCD output							
	Transmission(DC4-20mA) output							
Hold function					Resolution : 12000 division(Load resistance max. 600Ω)			
					Including(Outer hold function)			

* (Note1)DC/AC type F · S ±0.5% Rdg ±3digit(-10 to 50°C)
 *When measuring over 5ADC, please select DV type because shunt should be used.

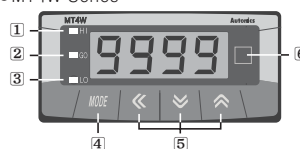
Front panel identification

MT4Y Series



- ① HI : High output indication of preset
- ② GO : GO output indication of preset
- ③ LO : Low output indication of preset

MT4W Series



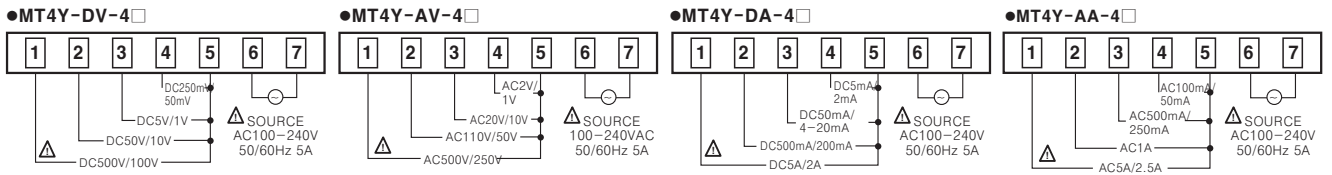
- ④ MD key : Enter to parameter group, Memorize the setting value, Move the parameter mode
- ⑤ key : Move the digit, Enter to parameter group
- ⑥ key : Change the setting value.
- ⑥ Unit

* There is no ①, ②, ③ on a display panel of MT4Y-□□-4N, 45, 46 and MT4W-□□-4N.
 * In MT4Y-□□-43, 44, OUT is used for Go output display and there is no ①, ③ in display panel.

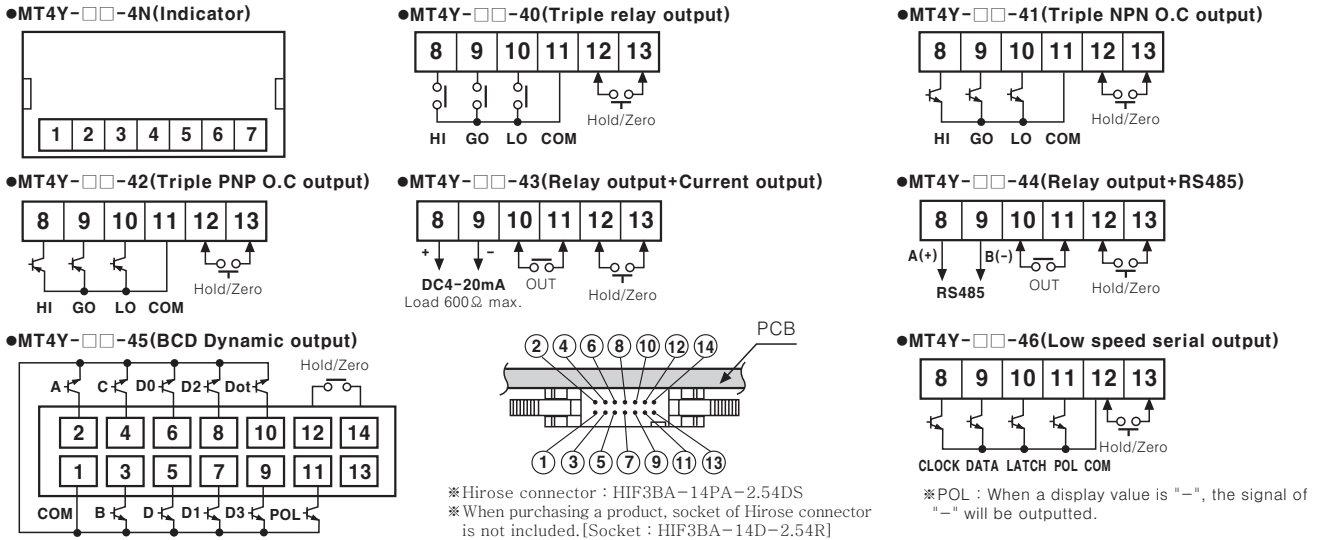
Digital multi panel meter (MT4Y/MT4W series)

Connections

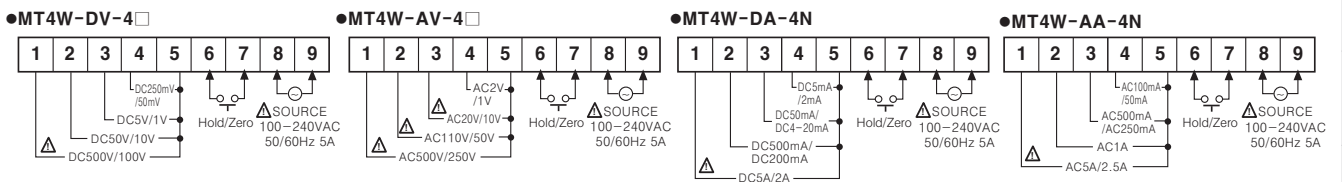
Measuring input connection of MT4Y series



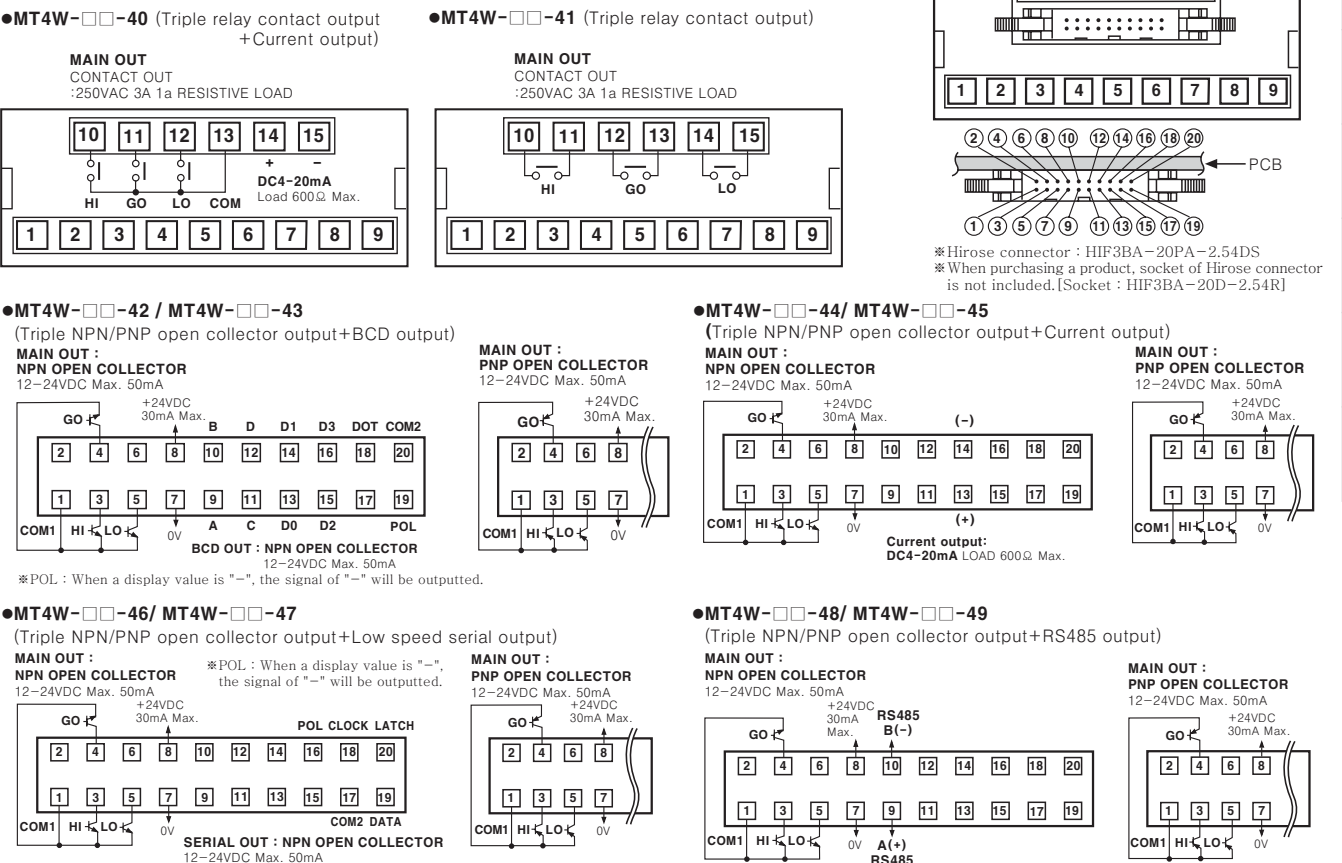
Output terminal of connection of MT4Y Series



Measuring input connection of MT4W Series



Output terminal connection of MT4W Series



Counter
Timer
Temp. controller
Power controller
Temp./ Humidity transducer
Thermo couples & RTD
Panel meter
Tacho/ Speed/ Pulse meter
Display unit
Serial converter module
Graphic panel
Sensor controller/ Switching power supply
Proximity sensor
Photo electric sensor
Pressure sensor
Rotary encoder
Stepping motor & Driver & Controller