# PANEL METER MT4Y SERIES

#### INSTRUCTION MANUAL





Thank you for choosing our Autonics products Please read the following safety considerations before use.

Safety Considerations

erve all safety considerations for safe and proper product operation to avoid hazards.

XSafety considerations are categorized as follows. ↑ Warning Failure to follow these instructions may result in serious injury or death.
↑ Caution Failure to follow these instructions may result in personal injury or product damage

\*The symbols used on the product and instruction manual represent the following \$\delta\$ symbol represents caution due to special circumstances in which hazards may occur

#### 

- 1. Fail-safe device must be installed when using the unit with machinery that may cause serious injury or substantial economic loss. (e.g. nuclear power control, medical equipment, ships, vehicles, railways, aircraft, combustion apparatus, safety equipment, crime/disaster prevention devices, etc.) Failure to follow this instruction may result in fire, personal injury, or economic loss.

  2. Install on a device panel to use.
  Failure to follow this instruction may result in electric shock or fire.

  3. Do not connect, repair, or inspect the unit while connected to a power source.
  Failure to follow this instruction may result in electric shock or fire.

  4. Check 'Connections' before wiring.
  Failure to follow this instruction may result in fire.

- Failure to follow this instruction may result in fire.
   Do not disassemble or modify the unit.
   Failure to follow this instruction may result in electric shock or fire.

#### ▲ Caution

- When connecting the power/measurement input and relay output, use AWG 24(0.20mm²) to AWG 15 (1.65mm²) cable and tighten the terminal screw with a tightening torque of 0.98 to 1.18N-m.
   Use proper cables for the rated load current.
   Failure to follow this instruction may result in fire or malfunction due to contact failure.

  2. Use the unit within the rated specifications.

- 2. Use the unit within the rated specifications.
  Failure to follow this instruction may result in fire or product damage.

  3. Use dry cloth to clean the unit, and do not use water or organic solvent.
  Failure to follow this instruction may result in electric shock or fire.

  4. Do not use the unit in the place where flammable/explosive/corrosive gas, humidity, direct sunlight, radiant heat, vibration, impact, or salinity may be present.

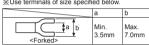
  Failure to follow this instruction may result in fire or explosion.
- Keep metal chip, dust, and wire residue from flowing into the unit. Failure to follow this instruction may result in fire or product damage.

# ■ Front Panel Identification

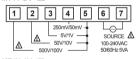


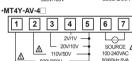
# ■ Panel Cut-Out Min. 91 31.5+0.5 68-07

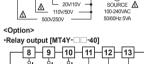
#### Connections

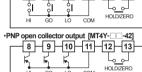


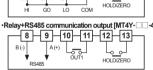
#### -MT4Y-DV-4

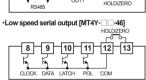






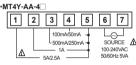


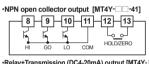


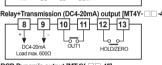


•MT4Y-DA-4

1	2	3 4	5	6	7
Δ	Δ	5mA/2r 500mA/4-2 500mA/200m 5A/2A	0mA	SOU 100-24 50/60H	





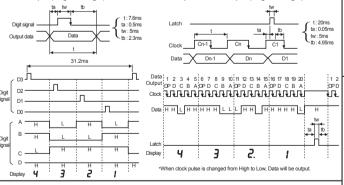


•BCD Dynamic output [MT4Y-□ □-45]

HOLD/ZERO	
2 4 6 8 10 12 14	
AK CK DOK D2K DOTK	
COM B D D1 D1 D3 POL	
1 3 5 7 9 11 13	

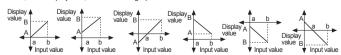
### ■ Time Chart Of Serial Output And BCD Output

#### **BCD** output (Negative logic) Low-speed serial output (Negative logic)



# ■ Prescale Function [PA 1: H-50/L-50]

This function is to display setting (-1999 to 9999) of particular High/Low-limit value in order to display High/Low-limit value of measured input. If measured inputs are 'a' or 'b' and particular values are 'A' or 'B', it will display a=A, b=B as below graphs.



# Error Display Function

Description
Flashes when measured input is exceeded the max. allowable input (110%)
Flashes when measured input is exceeded the min. allowable input (-10%)
Flashes when display input is exceeded H-5E setting value
Flashes when display input is exceeded L - 5 E setting value
Flashes when input frequency is exceeded the max. display value of measurement range
Flashes when it exceeds zero range (±99)

\*\*Error display is released automatically when it is in the measured and display range.

\*\*\*LLLL" is displayed when the measured input is 4-20mA.

\*\*\*After flashing " ou Er" 2 times when it exceeds the zero range, it returns to RUN mode

# ■ Monitoring Max./Min. Display Value Function

[PA 0: H.PEY / L.PEY, PA 2: PEYLE]

It monitors max/min. value of display value based on the current displays value and then displays the data at HPFP. LPFP of parameter 0. Set the delay time (0 to 30 sec) at PEŁŁ of parameter 2 in order to prevent malfunction caused by initial overcurrent or overvoltage, when monitoring the peak value. Delay time is 0 to 30 sec and it starts to monitor the peak value after the set time When pressing any one of ເ low low low low PPŁŁ WPEŁ of parameter 0, the monitored data is initialized. 

※Monitoring function is not displayed when the delay time is set as "00 5" at PEŁŁ of parameter 2.

\*\*The above specifications are subject to change and some models may be discontinued without notice. 
\*\*Be sure to follow cautions written in the instruction manual and the technical descriptions (catalog, homepage).

#### MT4Y 100-240VAC~ 50/60Hz Allowable voltage range 90 to 110% 7 Segment LED display (red) (Character height: 14.2mm) Display method 23°C±5°C - DC Type: F.S. ±0.1% rdg±2digit / AC Type: F.S. ±0.3% rdg±3digit DC/AC Type: F.S. ±0.3% rdg±3digit max. only for 5A terminal. -10°C to 50°C - DC/AC Type: F.S.±0.5% rdg±3digit Display accuracy Input specification DC Voltage/Current, AC Voltage/Current, AC Frequency Max. allowable input 110% F.S. for each measured input range A/D conversion method Practical oversampling using successive approximation ADC Sampling cycle DC type: 50ms, AC type: 16.6ms Max. indication range -1999 to 9999 (4digit) - 1999 to 9999 (40igir) - Relay output - Contact capacity: 250VAC∼ 3A, 30VDC≔ 3A/Contact composition: N.O. (1a) - NPN/PNP Open Collector output - 12-24VDC = ±2V 50mA Max. (Load resistance) - RS485 communication output - Baud rate: 1200/2400/4800/9600, Communication method: 2-wire half duplex, Synchronous method. Asynchronous method. Protocol: Modbus View of Serial/BCD output - NPN Open collector output, 12-24VDC Max. 50mA (Resistive load) Sub output Transmission output) DC4-20mA output - Resolution: 12,000division (Load resistance max. 600Ω), Response time: Max. 450ms Over $100 \text{M}\Omega$ (at 500 VDC megger) between external terminal and case 2,000VAC for 1minute between external terminal and case Dielectric stength munity ±2kV the square wave noise (pulse width: 1µs) by the noise simulator Mechanical 0.75mm amplitude at frequency of 10 to 55Hz (for 1 min) in each X, Y, Z direction for 2 hours √ibration Malfunction 0.5mm amplitude at frequency of 10 to 55Hz (for 1 min) in each X, Y, Z direction for 10 min Mechanical 100m/s² (approx. 10G) in each X, Y, Z direction for 3 times Malfunction 300m/s² (approx. 30G) in each X, Y, Z direction for 3 times Mechanical Min. 20,000,000 operations life cycle Malfunction Min. 100,000 operations (250VAC 3A Load current) Ambient

Double insulation or reinforced insulation (Mark: 🗋 , dielectric strength between the measuring input part and the power part: 1kV)

enthesis is for unit only.

# weight includes packaging. The weight in parenth ment resistance is rated at no freezing or conder ■ Measurement Input [PA 1: | n-r]

humidity

Insulation type

X1: The weight includ

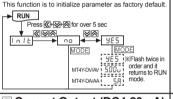
-10 to 50°C. Storage: -20 to 60°C 35 to 85%RH, Storage: 35 to 85%RH

Approx. 213.5g (approx. 134g)

Specifications

Туре	Measured input and range		Input impedance	Display range [5End]	Prescale Di	splay range [5 [ RL ]		
		[500]	4.33ΜΩ	0.0 to 500.0 (fixed)				
		[1000]	4.33ΜΩ	0.0 to 100.0 (fixed)	dot	Display range		
	0-50V	[500]	433.15kΩ	0.00 to 50.00 (fixed)	0	-1999 to 9999		
DC Volt	0-10V	[10]	433.15kΩ	0.00 to 10.00 (fixed)		-199.9 to 999.9		
	0-5V	[50]	43.15kΩ	0.000 to 5.000 (fixed)	0.0			
	0-1V	[ lu ]	43.15kΩ	0.000 to 1.000 (fixed)	0.00	-19.99 to 99.99		
	0-250mV	[0.25]	2.15kΩ	0.0 to 250.0 (fixed)	0.000	-1.999 to 9.999		
	0-50mV	[50ñu]	2.15kΩ	0.00 to 50.00 (fixed)	(Diaplay ra	nge is variable according		
	0-5A	[58]	0.01Ω	0.000 to 5.000 (fixed)		point position.)		
	0-2A	[ 2 R ]	0.01Ω	0.000 to 2.000 (fixed)	to decimal	point position.)		
	0-500mA	[0.58]	0.1Ω	0.0 to 500.0 (fixed)				
DC		[85.0]	0.1Ω	0.0 to 200.0 (fixed)	%Connect t	o the input terminals		
Ampere	0-50mA	[SDAR]	1.0Ω	0.00 to 50.00 (fixed)		% to 100% of the input		
	4-20mA	[4-20]	1.0Ω	4.00 to 20.00 (fixed)		uds the max. value of		
	0-5mA	[55A]	10.0Ω	0.000 to 5.000 (fixed)		ange to measure.		
	0-2mA	[258]	10.0Ω	0.000 to 2.000 (fixed)		max. input value		
	0-500V	[500]	4.98ΜΩ	0.0 to 500.0 (fixed)		ne 30% of the input		
	0-250V	[250]	4.98ΜΩ	0.0 to 250.0 (fixed)		ange, display accuracy		
	0-110V	[110P]	1.08ΜΩ	0.0 to 440.0 (fixed)	is degrade			
AC Volt	0-50V	[50]	1.08ΜΩ	0.00 to 50.00 (fixed)		max. input value is over		
AC VOIL	0-20V	[200]	200kΩ	0.00 to 20.00 (fixed)	the 100%, it may result in input			
	0-10V	[100]	200kΩ	0.00 to 10.00 (fixed)	terminal d			
	0-2V	[20]	20kΩ	0.000 to 2.000 (fixed)	terrinia	amage.		
	0-1V	[10]	20kΩ	0.000 to 1.000 (fixed)	≫In case of	f 0 to 110V [   IDP] of		
	0-5A	[58]	0.01Ω	0.000 to 5.000 (fixed)		e range and using		
	0-2.5A	[ 2.5 A ]	0.01Ω	0.000 to 2.500 (fixed)		ntial transformer) for		
AC	0-1A	[IR]	0.05Ω	0.000 to 1.000 (fixed)	440V/110VAC, if 110V is input, and the unit displays 440V automatically by preset scale			
	0-500mA	[ 0.5A]	0.1Ω	0.0 to 500.0 (fixed)				
Ampere	0-250mA	[0.25A]	0.1Ω	0.0 to 250.0 (fixed)				
	0-100mA	[ D. IR ]	0.5Ω	0.0 to 100.0 (fixed)		P.T user's convenient.		
	0-50mA	[505A]	0.5Ω	0.00 to 50.00 (fixed)				
*When "HHHH" or "LLLL" is flashes with a certain measurement input, disconnect power supply and then check the cables.								

#### Initialization Function

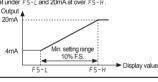


#### Setting range: 00.0 to 99.9 (unit: sec) Factory default: 00.0 ■ Current Output (DC4-20mA) AC Frequency Measurement Scale Adjustment Function Function [PA 1: dl 5P]

power is supplied.

Measured range
 Decimal point
 O.

[PA 2: F5-H/F5-L]
It sets current output for the display value at the current output DC 4-20mA.
It sets display value for 4mA at F5-L and 20mA at F5-H and the range between F5-H and F5-L should be 10% FS. (When it sets as under 10% FS., it changed as over 10% FS. automatically) Preset display value is fixed to output as 4mA at under F5-L and 20mA at over F5-H. Output 🛦



Error Correction Function

# Zero Adjustment Function

[PA 1: | nb.H / | nb.L ] It corrects display value error of measured input.

In b. 1:499 [Adjust deviation of low value]

In b. 1:5.000 to 0.100 [Correct gradient (%) of high value]

Display value (Measured value × In b.M) + In b.I.

When the measured range is 0 to 500V, and the display range is 0

ESO 0.1 [Ithe but display range is 0

when the measured rangers so to oxio, and the display rising its oxio to 500.0. If the low display value is "1/2" to 0V input, set -12 as the  $t \rightarrow b \perp v$  value to display "10" by adjusting the offset of the low value. The display value to the 500V measured input value is " $50 \cdot 10$ ", calculate 500.050.0 (the desired display value) the display value is " $50 \cdot 10$ ", calculate 500.050.0 (the display salue) the display value is " $50 \cdot 10$ ", calculate 500.050.0 (the display 500.0" by adjusting the gradient of the high value.

\*The offset correction range of InbL is within -99 to 99 for D<sup>0</sup>, D<sup>1</sup> digit regardless of dicimal point.

# 01 nbH: 0.100 to 9.999 [Gradient adjustment of high value] 01 nbE: 10<sup>-2</sup>, 10<sup>-1</sup>, 10<sup>0</sup>, 10<sup>1</sup> [Index adjustment of 1 nb.H]

\*\*SAccuracy of frequency measurement: Below 1kHz, F.S. ±0.1rdg ±2digit. From 1kHz to 10kHz, F.S. ±0.3rdg ±2digit.

■ Startup Compensation

Timer Function [PA 2: 5 L R L ]

This time function limits the operation of an output until the measured input (overvoltage or inrush

current) is stable at moment of power on. All outputs are off during startup compensation time setting after

It measures input signal frequency when it is AC input. It uses fixed decimal point[PA1: dolb], measured range can be changed by setting and measured range of decimal point position is as below chart. It is available to adjust the upper gradient at [PA1::nb2]) and [PA1::nb2]. In order to measure frequency normally, input signal, over 10% F.S. of the measured range, should be supplied. Please select the proper point of measurement terminal.

OMeasured range

0.000 0.00 0.0 | 1 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 2000 | 200

It adjusts the indication value of the optional configured input value as zero by force, zero point error can be adjusted with 3 ways as below.

ways as below. When zero adjustment with front key and Hold terminal is finished normally, zero of measurement terminal is displayed and the adjusted value is saved at hbl. automatically.

	signal
	Short-circuit external Hold terminal no.12, 13 over min. 50m.
1	ress both ((), (A)

X Input value

## ■ Gradient Correction Function [PA 1: ! ¬ЬН]

It corrects the gradient of prescale value and display value. (Figure 1) Display value Y can be adjusted as  $\alpha$ ,  $\beta$  times against X input value by correction function [InbH] and used as correction function of max. display value [H-5C]. Adjustment range is 0.100 to 5.000 and multiply current gradient.

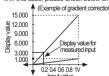
Aglosinetir large 5 or 100 to 5000 and intelligence to the first partier in Explingut. 200mVDC, Displays 3.000 for MT4Y-DV type

(Select 0-1VDC for measured input in Parameter 1.

(Standard specification in input: 0-1VDC and 1.000 therefore it has to be 15.000[H-5C] for 1VDC (Input) in order to display 3.000 for 200mVDC (Input).

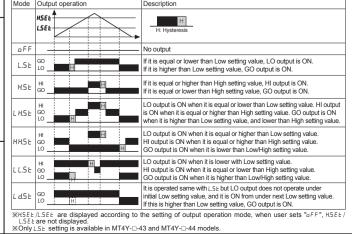
But it is unable due to setting range is 9.999.

③In this case, please check below chart. Please set as InbH×H-5[ = 15.000 (Example of gradient correction



Setting method	H-5C	L-5C	I nb.H	Note
1	Unavailable	0.000	1.000	_
2	7.500	0.000	2.000	
3	5.000	0.000	3.000	In this case, any setting methods
4	3.750	0.000	4.000	display the same display value.
6	3.000	0.000	5.000	1

## ■ Preset Output Mode [PA 2: oUt.t]

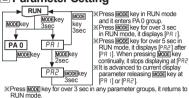


#### ■ Display Cycle Delay Function [PA 2: dl 5.₺]

In some applications the measured input may fluctuate which in turn causes the display to fluctuate. By adjusting the display cycle delay function time at d 5½ of parameter 2, the operator can adjust the display time within a range of 0.1 sec to 5 sec. For example, if the operator sets the display cycle time to 4.0 sec, the display value displayed will be the average input value over 4 sec and also will show any changes if any every 4 sec

Parameter			Function	Note	
	In-E	Input type	Selectable RMS/AVG in AC type	Available AC type only.	
PR ( (Parameter 1)	In-r	Input range	Selection of input range	_	
	di SP	Display	Selection of display type	Setting range: 5tnd, 5CRL, FrE9	
	Stnd	Standard	Standard scale range	Display max. display value of 5 b nd	
	FrE9	Frequency	Frequency display	Available AC type only.	
	SEAL	Scale	Scale range	These are displayed at 5[RL only. It sets max/mir	
	H-5E	High scale	Set max. value of display range	display value (-1999 to 9999).	
	L-5E	Low scale	Set min. value of display range	display value (=1999 to 9999).	
	dot	Dot	Set decimal point position	It is displayed in 5ERL/FrE9 only and set the position	
	l nbH	Input bias high	Correct high-limit value of display value	SEnd/SERL: Correction range: 0.100 to 5.000 FrE9: Correction range: 0.100 to 9.999	
		Input bias low	Correct low-limit value of display value	Setting range: -99 to +99	
	InbE	Input bias exponent	Set display index of frequency mode	Setting range: 10 <sup>-2</sup> , 10 <sup>-1</sup> , 10 <sup>0</sup> , 10 <sup>1</sup>	
	oUtt	Out type	Set operation mode of preset output	Setting range: off, LSE, HSE, LHSE, HHSE, LLSE, Ld	
		Hysteresis	Set hysteresis value	Setting range: 1 to 10% F.S.	
		Startup compensation time	Set startup compensation time	Setting range: 0.0 to 99.9sec	
	PELF	Peak time	Set monitoring delay time for peak value (sec)	Setting range: 00sec to 30sec	
	dl SE	Display time	Set sampling time (sec)	0.1 to 5.0 sec (Variable by 0.1 sec)	
	EEro	Zero key	Set usage of front side zero adjustment key	הם: Not use front side zero adjustment key צב S: Use of front side zero adjustment key	
PR2 (Parameter 2)	Euln	Event input	Set external terminal (12, 13) function	Hotd: Use external terminal as Hold terminal Efro: Use external terminal as zero point adjustment terminal	
,	FS-H	Full scale high	Set the upper value output point or PV output	Min. set range: Min. 10% F.S.	
	F5-L	Full scale low	Set the lower value output point or PV output	Max. set range: Max. F5-H 10%	
	Adr5	Address	Set communication address	Setting range: 01 to 99	
	6P5	Bit per second	Set baud rate (bps)	Setting range: 1200, 2400, 4800, 9600	
	Prty	Parity bit	Set parity bit	Setting range: nonE, EuEn, odd	
		Stop bit	Set stop bit	Setting range: 1, ≥	
		Response waiting time	Set response wating time	Setting range: 5 to 99	
i	LoE	Lock	Set lock function	Setting range: off, Lo[1, Lo[2, Lo[3	
	HSEE	High set	Set high setting value	Setting range can be set within the display rang	
PA 0	L.SEE	Low set	Set low setting value	of Stad/SCAL	
(Parameter 0)	HPEL	High peak	Max. value by data monitoring	Initializes the monitored data value by pressing	
	LPEY	Low peak	Min. value by data monitoring	any one of <b>⋘</b> , <b>⋈</b> , <b>⋈</b> keys.	

#### Parameter Setting



KUN mode. Xff any key is not entered for 60 sec in each parameter, it returns to RUN mode. XAfter returning to RUN mode, press WODE key within 2 sec, it returns to previous parameter. (Refer to the below descriptions of each parameter group). WPA 0 group cannot be entered when preset output mode of [PR2] group is OFF.

# ■ Parameter 0

MODE Set preset High-limit value.
(It is not displayed when <code>pUb.b</code> mode value of PA2 is <code>pFF</code>)
%Change the value with K HSEL | MOEC | value of PAZ is gr. |
| MOEC | K-Change the value with | MOEC | MOEC |
| LSEE | (It is not displayed when aUL± mode value of PAZ is a F F)
MOEC	K-Change the value with	MOEC	MOEC	
MOEC	MOEC	MOEC	MOEC	MOEC
MOEC	MOEC	MOEC	MOEC	MOEC
MOEC	MOEC	MOEC	MOEC	MOEC
MOEC	MOEC	MOEC	MOEC	MOEC
MOEC	MOEC	MOEC	MOEC	MOEC
MOEC	MOEC	MOEC	MOEC	MOEC
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M				

※If PEŁŁ monitoring delay time of Parameter 2 is set as "□□ 5", HPEŁ and L.PEŁ are not displayed.

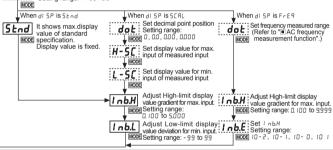
#### Parameter 1 RUN



| Saperination | Internation | Internation

Specification chart of measured input by each items>

Select the display method of measuring input.
Setting range: \$\int \text{NR} \, \int \text{Fr} \, \int \text{P} \
\text{\$\sum{\text{MXOB}} \, \text{Per} \, \text{T} \, \text{\$\texit{\$\text{\$\text{\$\text{\$\text{\$\ Select measurement method when it is AC input. Setting range: r n 5, Ru C [MODE] When di SP is Stad



# Parameter 2



Select Preset output mode.
Setting range: oFF . LSE . LHSE . LHSE . LLSE . Setting is available in MT4Y-0-43 and MT4Y-0-44 models. H95 Set preset hysteresis within 10% of F.S. But, it is not displayed when a U.E. mode is a FF

**5ERL** Set startup compensation time. Setting range: 0.0 to 99.9 sec

PELL Set monitoring delay time. Setting range: 00 to 30sec **d ! 5.L** Set display period and also variable sets by 0.1sec. Setting range: 0.1 to 5.0sec

proper surface of the proper surface of the

F5-L Set low-limit value for the DC4mA output position of PV outpu

Rdr5 Set address of RS485 communication output. Setting range: 01 to 99 MODE Select baud rate of RS485 communication output. Setting range: 9600, 4800, 2400, 1200 MODE Pre 9 Select parity bit of RS485 communication Setting range: nonE, EuEn, odd

Select stop bit of RS485 communication. Setting range: 1, 2

Set response Setting range: 5 to 99 MODE Set key lock function and select from 4 kinds. Setting range: oFF, LoC | 1, LoC2 | LoC3 |, oFF |

MODE	oF	No key lock function	LoC2	Parameter 1, 2 lock
LoC	Parameter 1 lock	LoC3	Parameter 0, 1, 2 lock	
LoC3	Parameter 0, 1, 2 lock			
LoC3	Parameter 0, 1, 2 lock			
LoC3	Parameter 0, 1, 2 lock			
LoC3	Parameter 0, 1, 2 lock			
LoC3	Parameter 0, 1, 2 lock			
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LoC3	Parameter 0, 1, 2 lock			
LoC3	Parameter 0, 1, 2 lock			
LoC3	Parameter 0, 1, 2 lock			
LoC3	Parameter 0, 1, 2 lock			
LoC3	Parameter 0,			

## Change The Parameter Setting Value

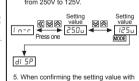
Advance to the parameter to be changed when pressing Mooe key continuously in RUN mode and releasing Mooe key at the parameter. (Refer to ■ Parameter setting")

 When pressing MODE key in each parameter, the initial mode of the parameter is displayed.
 (Refer to the description of each arms.) parameter.)

3. When pressing one of ☒, ☒, ☒ keys in display mode, the saved setting value is displayed.

Setting The saved value setting value Fress one Press one 250 flashes every 0.5 sec. 

Ex) Change AC type measured input from 250V to 125V.



MODE key, the changed setting value flashes twice and enters into the next

6. It returns RUN mode from parameter by pressing MODE key for 3 sec.

#### User Manual For Communication

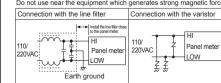
Visit our website (www.autonics.com) to download the user manual for communication of MT series.

# Cautions during Use

1. Follow instructions in 'Cautions during Use'. Otherwise, it may cause unexpected accidents.

Install a power switch or circuit breaker in the easily accessible place for supplying or disconnecting the power.
 Keep away from high voltage lines or power lines to prevent inductive noise.
 In case installing power line and input signal line closely, use line filter or varistor at power line and shielded

Do not use near the equipment which generates strong magnetic force or high frequency noise



This unit may be used in the following environments.
 Olndoors (in the environment condition rated in 'Specifications')
 Pollution degree 2

## Major Products



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DRW170797AA