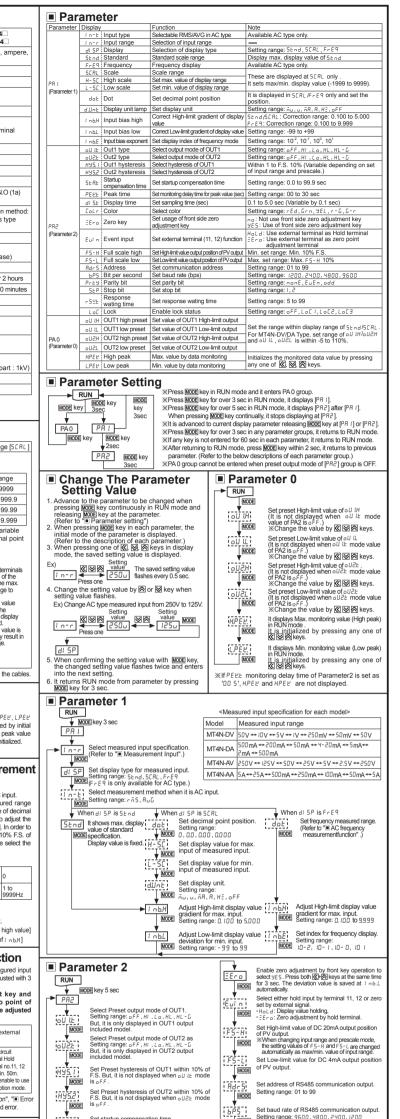


Sp	ecificat	ions						Par			-	
del		MT4N-DV-E		MT4N-AV-E	MT4N-DV-4		MT4N-AV-4	Parameter	In-E	Input type	Function Selectabl	
		MT4N-DA-E		MT4N-AA-E AC voltage, ampere,	MT4N-DA-4		MT4N-AA-4 AC voltage, ampere,		di SP	Input range Display	Selection	
	ment input	DC voltage, a	mpere	Frequency	DC voltage, a	ampere	Frequency		FrE9	Standard Frequency	Standard Frequen	
wer su wable	voltage range	12-24VDC==, 90 to 110%	12-24VA	C~	100-240VAC	~		PR I	H-5C	Scale High scale	Scale rai Set max.	
wer consumption		DC: 3W, AC: 5VA 5VA						(Parameter 1)	L-5C	Low scale	Set min.	
For MT4N+FE3 - D			5W, AC: 8VA (Character height: 9mm)					dot d.Unt	Dot Display unit lamp	Set decir Set displ		
		23°C ± 5°C - [DC Type:	F.S.±0.1% rdg±2digit	/ AC Type: F.S					Input bias high	Correct H value	
play accuracy			DC/AC Type: Within F.S.±0.3% rdg±3digit only for Current 5A terminal 10°C to 50°C - DC/AC Type: F.S.±0.5% rdg±3digit							Input bias low	Correct Lo	
x. allo	wable input			asured input range	Louigh				oU Ib	Input bias exponent Out1 type	Set displa Select out	
				using successive ap	proximation AL	C				Out2 type Out1 hysteresis	Select our Select hys	
	cycle	DC type: 50m		e: 16.6ms						Out2 hysteresis Startup	Select hys	
	olay range		(0 /	apacity: 125VAC \sim 0.3	A, 30VDC== 1A/	Contact co	mposition: N.O (1a)		SERE PEPE	ompensation time Peak time	Set startu Set monitor	
eset ou	liput			or output - 12-24VDC=		· · ·			di SE	Display time	Set samp	
o output ansmission output)		2-wire half du	uplex, Syn	output - Baud rate: 1 chronous method: Su	b-synchronizat	ion, Proto	col: Modbus type	PRP		Color Zero key	Select col	
ulation resistance			DC4-20mA output - Resolution: 12,000 division (Load resistance max. 600Ω) Over 20MΩ (at 500VDC megger)						<u> </u>		adjustme	
		1000VAC for		o megger)	2000VAC for	1 minute				Event input Full scale high	Set exten Set High-lim	
lectric strength		(Between external terminal and case) (Between external terminal and case)							F5-L	Full scale low	Set Low-lim Set comr	
se im	Mechanical	±2kV the square wave noise (pulse width: 1μs) by the noise simulator 0.75mm amplitude at frequency of 10 to 55Hz (for 1 min) in each X, Y, Z direction for 2 h							6P5	Address Bit per second	Set baud	
ation	Malfunction			uency of 10 to 55Hz (fe					PrE9 SEP	Parity bit Stop bit	Set parity Set stop	
ock	Mechanical	100m/s ² (Approx. 10G) in each X, Y, Z direction for 3 times							r 5 %E	Response wating time	Set respo	
	Malfunction Ambient	300m/s ² (Approx. 30G) in each X, Y, Z direction for 3 times							Lot	Lock OUT1 high preset	Enable lo Set value	
iron-	temperature	-10 to 50°C, S	Storage: -2	20 to 60°C					oU IL	OUT1 low preset	Set value	
nt	Ambient humidity	35 to 85%RH	, Storage:	: 35 to 85%RH	RH			PA 0 (Parameter 0)		OUT2 high preset OUT2 low preset	Set value Set value	
ulatior	n type	Double insulation or reinforced insulation								High peak Low peak	Max. valu Min. valu	
oroval	- type	(Mark: □, Dielectric strength between the measuring input part and the power part : 1kV) C€							-			
ight ^{×1}		Approx. 127g	(approx.	64g)						eter Settin	າg _{×Pre}	
				t in parenthesis is for	unit only.			MODE ke		E key MODE	ЖРr	
nviron	ment resistan	ce is rated at r	no freezin	g or condensation.					³ 3se	key 3sec	×Pre W	
Me	asurem	ent Inp	ut [PA	1:/ 0-6]				PA0			≫ltis ≫Pro	
e				edance Display ran	ge [5±nd]	Prescale	Display range [5[RL]	MODE	key	MODE key 2sec	≫lfa ≫Aft	
	0-50V	[50V]	434.35kg	Ω 0.00 to 50.0	0 (fixed)				Ρ	R2 MODE key	ра	
	0-10V 0-5V	[10V] [5V]	434.35kΩ							3sec	XPA	
Volt	0-1V	[/V]	43.35kΩ	0.000 to 1.0	000 (fixed)		Display range -1999 to 9999	Cha	inge	e The Par Value	ame	
	0-250mV 0-50mV	[250mV] [50mV]	2.15kΩ 2.15kΩ	0.0 to 250.0 0.00 to 50.0		0.0		1. Advance	to the	parameter to be	changed	
	0-500mA 0-200mA	[500mA]	0.1Ω	0.0 to 500.0 0.0 to 200.0		0.00		releasing	a (Mode) k	ey continuously in ey at the parame	n RUN m eter.	
	0-200mA 0-50mA	[200mA] [50mA]	0.1Ω 1.1Ω	0.00 to 200.0	(,		-1.999 to 9.999 range is variable	When pr	essing	ameter setting")	paramet	
pere	4-20mA 0-5mA	[4-20mA] [5mA]	1.1Ω 101.1Ω	4.00 to 20.0 0.000 to 5.0			ng to decimal point	(Refer to) the de	ne parameter is d scription of each	paramet	
	0-2mA	[2mA]	101.1Ω	0.000 to 2.0	000 (fixed)	position		mode, th	ie save	one of ≪ , ⊗ , ⊗ d setting value is	displaye	
Volt	0-250V 0-125V	[250V] [125V]	1.109MC				to the input terminals	Ex)		Setting value The sa	aved settir	
	0-50V	[50V]	200kΩ	0.00 to 50.0	0 (fixed)	input rar	0% to 100% of the ige includs the max.		Press one	flashe		
	0-25V 0-5V	[25V] [5V]	222kΩ 22kΩ	0.00 to 25.0 0.000 to 5.0		measure	the input range to e. e max. input value	setting v	alue fla	shes.		
pere	0-2.5V	[2.5 V]	22kΩ	0.000 to 2.5	600 (fixed)	is under	the 30% of the minal range, display	Ex) Chan		pe measured input Setting	Setting	
	0-5A 0-2.5A	[5A] [2.5A]	0.01Ω 0.01Ω	0.000 to 5.0 0.000 to 2.5		accurac	y is degraded. e max. input value is	10-0		C 200	value ► 1250	
	0-500mA	[500mA]	0.1Ω	0.0 to 500.0	(fixed)	over the	100%, it may result in minal damage.	↓	Press on	e		
	0-250mA 0-100mA	[250mA] [100mA]	0.1Ω 0.5Ω	0.0 to 250.0 0.0 to 100.0			in a carrage.	di SP				
0-50mA		[50mA]	0.5Ω	0.00 to 50.0			We want the state of the state	the chan	iged set	g the setting valu tting value flashe	s twice a	
hen "H	HHH" or "LLLL	" is flashes with	a certain r	measurement input, dis	connect power	supply and	then check the cables.	into the i 6. It returns	s RUN n	node from param	eter by p	
				Display Val	ue Func	tion		MODE key				
		L.PEĽ, PA		•					_	ler		
							e data at HPEE, LPEE nction caused by initial		MODE key	/ 3 sec		
				k value. Delay time is Skeys at HPE₽, LPE₽			monitor the peak value red data is initialized.		_			
onitori	ng function is no	t indicate when t	the delay ti	me is set as "00 5" at /	PEEE of paramet	ter 2.		► [n-r	(Ref	ct measured inputer to " Measurer	t specific nent Inpu	
Cu	rrent Ou	itout (DC	C4-20	mA) 🔳 AC	Freque	ncv N	leasurement			display type for m	easured i	
Current Output (DC4-20mA)					AC Frequency Measurement Function [PA 1: d/ 5P]				MODE (F = E 9 is only available for AC t			
[PA 2:F5-H/F5-L]				It measur	It measures input signal frequency when it is AC input.				Select measurement method wh			
ts current output for the display value at the output current				It uses fixed decimal point[PA 1: dpb], measured range can be changed by setting and measured range of decimal				When di 5P is 5End ↓ When				
4-20mA. tts display value for 4mA at F5-L and 20mA at F5-H			at FS-R upper ara	point position is as below chart. It is available to adjust the upper gradient at [PA 1: I оьн] and [PA 1: I оьн]. In order to				5 Lod It shows max. display				
the range between F5-H and F5-L should be 10% F.S. en it sets as under 10% F.S., it changed as over 10% F.S.				10% F.S. measure 10% F.S. the measure	measure frequency normally, input signal, over 10% F.S. of the measured range, should be supplied. Please select the				WODE specification. Display value is fixed. H - 5 []			
	lly.) Preset disp 5 - L and 20mA	lay value is fixed at over F5-H.	d to output	proper po	int of measurem				ыр	ay value to fixed.	MODE	
out 🛓				①Measu Decimal	oint					[[- SC	
ma F.				position	0.000	0.00	0.0 0			12	₩ MODE	
mA –	/			Measurem range	ent 0.100 to 9.999Hz	0.10 to 99.99Hz	0.1 to 1 to 999.9Hz 9999Hz			19	MODE	
	Min. setting range 10% F.S.				※Accuracy of frequency measurement: Below 1kHz, F.S. ±0.1rdg ±2digit.						nЬ.Н	
L	F5-L F5-H Display value			ay value From	From 1kHz to 10kHz, F.S. ±0.3rdg ±2digit. இ1 оБН: 0.100 to 9.999 [Gradient adjustment of high value]						MODE	
	③ i hb/. 0.100 to 399 [Gradient adjustment of high value] ③ i hbE:10 ² , 10 ¹ , 10 ⁰ , 10 ¹ [index adjustment of i hb/t]								1	nbL		
Err	or Corre	ection Fu	unotio	n 7 0	ro Adius	tmon	tEurotion				MODE	
-	1:/ _b.H//				Zero Adjustment Function It adjusts the display value of the optional configured input value as zero by force, zero point error can be adjusted with 3 ways as below.				ame	ter 2		
-		rror of measure	d input.	value as z					RUN MODE key 5 sec			
b.L :±9	99 [Adjust devi	ation of low val Correct gradien	lue]	When z	When zero point adjustment with front key and				MODE ke	y 5 sec		
olay va	alue= (Measure	ed value × I nb.	н)+1 пЬ.L	measure	Hold terminal is finished normally, zero point of measurement terminal is displayed and the adjusted understanding the second				Sele	ect Preset output m	ode of Ol	
ge is (0 to 500.0. If	nge is 0 to 500 the low displa	y value is	s " 12" to	nput	automat			But,	ing range: _FF, HI it is only displayed ided model.	, Lo, HL, I in OUT1	
	set -12 as the the offset of the	e / <u>b.L</u> value t ne low value.	o display	ulu by Oper-	orrection Fr	ont key	Input external signal	₩OD	Sele	ect Preset output m		
display value to the 500V measured input varies by isting the offset of the low value. If this display value			/aries by	Short-circuit				But,	ing range: _FF, HI it is only displayed ided model.	, Lo, HL, I in OUT2		
50 I.D", calculate 500.0/501.0 (the desired display			display Des-					Set	Preset hysteresis			
e/the display value), and set the 0.998 correction the as the I ob.H to display "500.0" by adjusting the			sting the	cription value method at i nb1. Keys for 3 sec at the RUN mode. over min. 50m. XIt is enable to use			H95.1	F.S.	But, it is not displa			
he offs		range of Inb.L		-99 to 99 × Pofer to	KRefer to description " Error correction function". " Error			HUSE	Set F.S.	Preset hysteresis of But, it is not displa	of OUT2 when	
r D ⁰ , D ¹ digit regardless of dicimal point.				Allelel to	Refer to description "■ Error correction function", "■ Error display function", "■ Parameter 2" for function and error.				E is of	FF.		
Gr	adiont (Correcti	on E.	unction [PA					Sett	startup compensat ing range: 0.0 to 9	ion time. 9.9 sec	
		rescale value and					(Figure1)		E	monitoring delay ti		
10 11	Jienlay value V	can be adjuste	d as a P +	imen against V issut	alua hu comodic			PEPE	Set			



MODE

Set parity bit of RS485 communication. Setting range: nonE, EuEn, odd

Prty MODE

Set monitoring delay time. Setting range: 00 to 30 sec

