

# Operation Manual

Digital Panel Meter MD-N2638

Ver1.0



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## 1. Parameter Description

### A. Level 1 : User level

Press the key to level 1

Parameter	Range	Description	Ex-factory	
<i>AL1S</i>	AL1S	LoAn~HiAn	Alarm 1 set value	30.0
<i>AL2S</i>	AL2S	LoAn~HiAn	Alarm 2 set value	30.0
<i>AL3S</i>	AL3S	LoAn~HiAn	Alarm 3 set value	30.0
<i>AL4S</i>	AL4S	LoAn~HiAn	Alarm 4 set value	30.0
<i>PVoF</i>	PVoF	-200~200.0	PV offset	0.0

### B. Level 2 : Input type

Press the key for 4 seconds to level 2

Parameter	Input type	Measuring range		Ex-factory		
		°C	°F			
<i>inPt</i>	Input type selection	<i>tC-K</i>	T/C K type	0~1300	32~2372	K
		<i>tC-J</i>	T/C J type	0~1200	32~2192	
		<i>tC-t</i>	T/C t type	-200~400	-328~752	
		<i>tC-r</i>	T/C r type	0~1700	32~3092	
		<i>tC-E</i>	T/C E type	0~1000	32~1832	
		<i>tC-S</i>	T/C S type	0~1700	32~3092	
		<i>tC-b</i>	T/C b type	0~1800	32~3272	
		<i>tC-n</i>	T/C n type	-200~1300	-328~2372	
		<i>Pt</i>	PT-100Ω	-200~850	-328~1562	
		<i>50mV</i>	0-50mV	-1999~9999		
		<i>5V</i>	0-5V			
		<i>10V</i>	0-10V			
		<i>24V</i>	0-24V			
		<i>0-20</i>	0-20mA			
<i>4-20</i>	4-20mA					

### C. Level 2 : Parameter set

Press the key for 4 seconds to level 2

Parameter	Range	Description	Ex-factory	
<i>LoAn</i>	LoAn	LoAn~HiAn	Low limit of input scaling	0
<i>HiAn</i>	HiAn	LoAn~HiAn	High limit of input scaling	1300
<i>unit</i>	unit	°C / °F / non	Unit selection	°C
<i>dP</i>	dP	0 / 0.0 / 0.00 / 0.000	Decimal point	0.0
<i>Filt</i>	FiLt	0.001~1.000	PV digital filter	0.600
<i>AL1F</i>	AL1F	non / HiAL / LoAL	Alarm 1 function	non
<i>AL2F</i>	AL2F	non / HiAL / LoAL	Alarm 2 function	non
<i>AL3F</i>	AL3F	non / HiAL / LoAL	Alarm 3 function	non
<i>AL4F</i>	AL4F	non / HiAL / LoAL	Alarm 4 function	non
<i>AL1H</i>	AL1H	0.0~200.0	Alarm 1 hysteresis	0.1
<i>AL2H</i>	AL2H	0.0~200.0	Alarm 2 hysteresis	0.1
<i>AL3H</i>	AL3H	0.0~200.0	Alarm 3 hysteresis	0.1
<i>AL4H</i>	AL4H	0.0~200.0	Alarm 4 hysteresis	0.1
<i>AoLS</i>	AoLS	0~4095	Low limit analog output scaling	760
<i>AoHS</i>	AoHS	0~4095	High limit analog output scaling	3850
<i>Addr</i>	Addr	0~255	Device address	1
<i>bAUd</i>	bAUd	9.6K~115.2K	Communication speed	9.6K

### Data Frame:

Data Bits	Parity	Start Bit	Stop Bit
8	None	1	1



# Parameter Description

Parameter		Register number	Relative address	Corresponding function code	Range	Symbol description
PV	Process value	40001	0000(h)	read(03h)	LoAn~HiAn	0
AL1S	Alarm 1 set value	40002	0001(h)	read(03h) / write(06h)	LoAn~HiAn	1300
AL2S	Alarm 2 set value	40003	0002(h)	read(03h) / write(06h)	LoAn~HiAn	°C
AL3S	Alarm 3 set value	40004	0003(h)	read(03h) / write(06h)	LoAn~HiAn	0.0
AL4S	Alarm 4 set value	40005	0004(h)	read(03h) / write(06h)	LoAn~HiAn	0.600
PVOF	PV offset	40006	0005(h)	read(03h) / write(06h)	-200~200.0	non
INPT	Input	40007	0006(h)	read(03h) / write(06h)	K type~4~20mA	Decimal : 4 = E type 8 = PT-100Ω 12 = 0~24V 0 = K type 5 = S type 9 = 50mV 13 = 0~20mA 1 = J type 6 = b type 10 = 0~5V 14 = 4~20mA 2 = t type 7 = n type 11 = 0~10V
LOAN	Low setting limmit	40008	0007(h)	read(03h) / write(06h)	LoAn~HiAn	non
HIAN	High setting limmit	40009	0008(h)	read(03h) / write(06h)	LoAn~HiAn	0.1
UNIT	Unit selection	40010	0009(h)	read(03h) / write(06h)	°C / °F / non	Decimal : 0 = °C / 1 = °F / 2 = non
DP	Decimal point	40011	000A(h)	read(03h) / write(06h)	0 / 0.0 / 0.00 / 0.000	Decimal : 0 = 0 / 1 = 0.0 / 2 = 0.00 / 3 = 0.000
FILT	Digital filter	40012	000B(h)	read(03h) / write(06h)	0.001~1.000	0.1
AL1F	Alarm 1 action function	40013	000C(h)	read(03h) / write(06h)	non / HiAL / LoAL	Decimal : 0 = non / 1 = HiAL / 2 = LoAL
AL2F	Alarm 2 action function	40014	000D(h)	read(03h) / write(06h)	non / HiAL / LoAL	Decimal : 0 = non / 1 = HiAL / 2 = LoAL
AL3F	Alarm 3 action function	40015	000E(h)	read(03h) / write(06h)	non / HiAL / LoAL	Decimal : 0 = non / 1 = HiAL / 2 = LoAL
AL4F	Alarm 4 action function	40016	000F(h)	read(03h) / write(06h)	non / HiAL / LoAL	Decimal : 0 = non / 1 = HiAL / 2 = LoAL
AL1H	Alarm 1 hysteresis	40017	0010(h)	read(03h) / write(06h)	0.0~200.0	9.6K
AL2H	Alarm 2 hysteresis	40018	0011(h)	read(03h) / write(06h)	0.0~200.0	9.6K
AL3H	Alarm 3 hysteresis	40019	0012(h)	read(03h) / write(06h)	0.0~200.0	9.6K
AL4H	Alarm 4 hysteresis	40020	0013(h)	read(03h) / write(06h)	0.0~200.0	9.6K
AOLS	Transmission low setting limit	40021	0014(h)	read(03h) / write(06h)	0~4095	9.6K
AOHS	Transmission high setting limit	40022	0015(h)	read(03h) / write(06h)	0~4095	9.6K
ADDR	Address	40023	0016(h)	read(03h) / write(06h)	0~255	9.6K
BAUD	Baud rate	40024	0017(h)	read(03h) / write(06h)	9.6K~115.2K	Decimal : 1 = 19.2K 3 = 57.6K 0 = 9.6K 2 = 38.4K 4 = 115.2K
I/O status		40025	0018(h)	read(03h)	bit0~bit3 / bit15	non