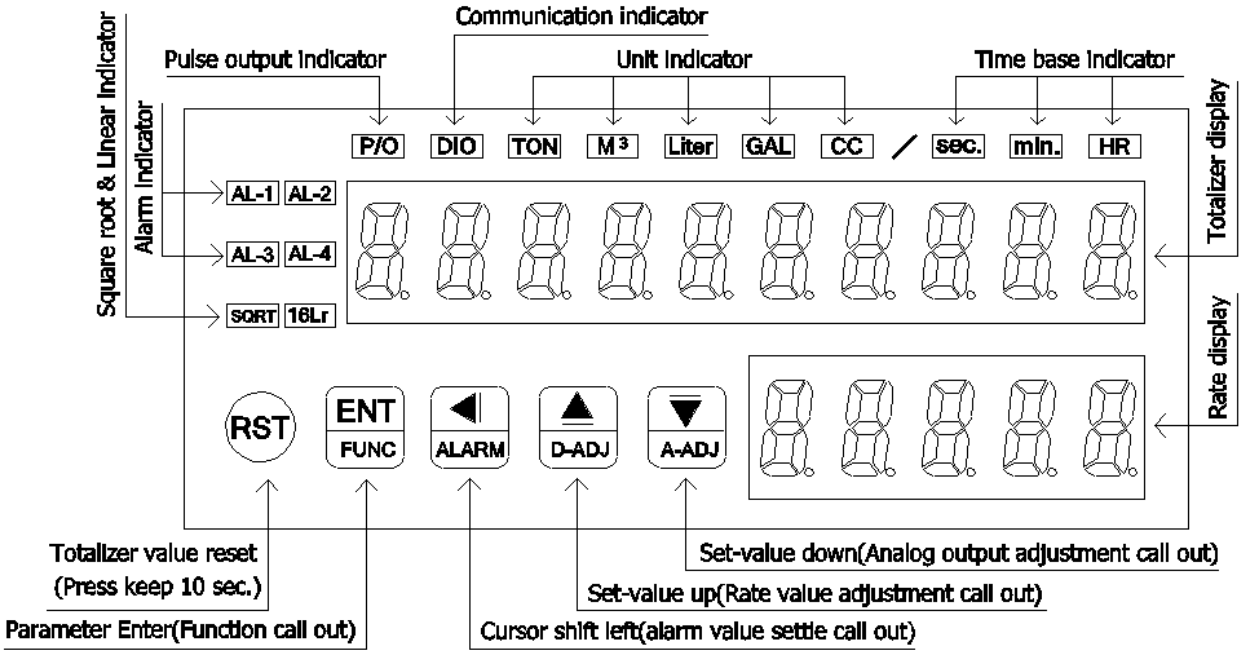
AXE PULSE/ANALOG INPUT FLOW RATE/TOTALIZER CONTROLLER METER MAFRT series

√ FEATURES

◎Accuracy 0.05% FS ± 1 digit	◎16BIT DAC analog output can be modified
◎Measuring and display rate(5 digits)/totalizer(10 digits)	◎RS485 communication interface,MODBUS RTU MODE
◎Display flow unit TON/M^3/Liter/GAL/CC can be modified	◎BAUD RATE:38400/19200/9600/4800/2400
◎Programmable time base(1 or 60 or 3600 or 86400 second)	◎Man-machine interface,easy to operate
◎Programmable scale factor(0.00001~99999.99999)(totalizer)	◎EEPROM saving data safekeeping about 10 years
◎Totalizer have Reset function	◎Auxiliary power(DC24V,<25mA) Can be supply

√ Name of Parts



Key Introduce	Operation Manual
㊎key function	1.In normal display,the ㊎ key function is call out setting group 2.In parameter setting page,the ㊎ key function is data ENTER and goto next page
◀key function	1.In normal display, The◀ key function is call out alarm value setting page 2.Into parameter setting page, the parameter mark & data is alternate display, If need modify data can press ◀key into setting procedure, The display is lock parameter data, this time must let off key about 0.2 sec, press again, the cursor(twinkle express)is cycle moving left. (Key Response about 0.2 sec)
▲key function	1. In normal display,The▲ key function is call out adjustment display value(DZERO&DSPAN)page 2.Into parameter setting page, the parameter mark&data is alternate display, If need modify data can press ▲ key into setting procedure, The display is lock parameter data, this time must let off key about 0.2 sec, press again, the parameter data will increment. (Key Response about 0.2 sec)
▼key function	1.In normal display, The key function is call out adjustment analog output AZERO&ASPAN page 2.Into parameter setting page, the parameter mark & data is alternate display, If need modify data can press down key into setting procedure, The display is lock parameter data, this time must let off key about 0.2 sec, press again the parameter data will decrement. (Key Response about 0.2 sec)
RST key function	1.When T-RST < 3, Press RST key beyond 10 seconds,wiil be reset totalizer value
▲&▼key function	1.In setting group or setting page press ▲ & ▼ key return normal display,but if in setting page the modify data will be lost
No key in anything	1.In setting group or setting page no key in anything about 30 sec.,return normal display

√ Inside parameter operate procedure

Step	Parameter Mark Description	Parameter Mark	Operation Manual
1	Normal display	0 1234	1.Press㊎key into P.CODE setting page
2	P.CODE(Pass Code) Default = 0	P.CodE 00000	1.Key in 5 digit pass code with◀&▲&▼key 2.Press ㊎key,If the pass code is correct then into setting group, otherwise,return normal display
3	SYS(System Setting Group)	SYS	1.Select setting group with ◀key 2.Press㊎key into setting page of selection setting group
	ROP(Alarm output Setting Group)	roP	
	AOP(Analog output Setting Group)	AoP	

	DOP(Communication Setting Group)	doP	
4	SYS(System setting group)	SYS	1.Press◀key decide SYS setting group 2.Press㊫key into IN-T setting page
4-1	IN-T(Input Type) Default = AN	in-t An	1.Decide Input Type with▲&▼key(AN/PULSE/MAG-P) 2.Press㊫key enter data and into D-UNIT setting page
4-2	D-UNIT(Display Flow Unit) Default = TON	d.Uni t ton	1.Decide Display Flow Unit with▲&▼key(TON/M^3/Liter/ GAL/CC) 2.Press㊫key enter data and into T-UNIT setting page
4-3	T-UNIT(Time base Unit) Default = MIN	t.Uni t Min	1.Decide Time base Unit with▲&▼key(SEC./MIN./HR/DAY) 2.Press㊫key enter data and into DP-R setting page Note:When T-UNIT is DAY,All time base indicator led is off
4-4	DP-R(Rate Decimal Point) Default = 0	dP-r 0.	1.Decide Rate Decimal Point with▲&▼key(0~4) 2.Press㊫key enter data and into DP-T setting page
4-5	DP-T(Totalizer Decimal Point) Default = 0	dP-t 0.	1.Decide Total Decimal Point with▲&▼key(0~4) 2.If IN-T = AN,Press㊫key enter data and into step 4-6 DSPL-R setting page 3.If IN-T = PULSE/MAG-P,Press㊫key enter data and into step 4-9 DP-KF setting page
4-6	DSPL-R(Rate Display Low) Default = 0	dSPL.r 00000	1.Decide Rate Display Low with◀&▲&▼key(0~999),If Rate display below settle value will be show zero,as Low Cut function 2.Press㊫key enter data and into DSPH-R setting page
4-7	DSPH-R(Rate Display High) Default = 1000	dSPH.r 01000	1.Decide Rate Display High with◀&▲&▼key(0~99999) 2.Press㊫key enter data and into SQRT-K setting page
4-8	SQRT-K(Square Root Constant-K) Default = 0.5	Sqrt.K 0.5	1.Decide Square Root Constant-K with▲&▼key(K=0.5/1.5/2.5) 2.Press㊫key enter data and into step 4-12 SCALER setting page
4-9	DP-KF(K-Factor Decimal Point) Default = 0	dP-KF 0.	1.Decide K-Factor Decimal Point with▲&▼key(0~4) 2.Press㊫key enter data and into KF setting page
4-10	KF(K-Factor) Default = 100	KF 00100	1.Decide K-Factor with◀&▲&▼key(1~99999) 2.Press㊫key enter data and into T-BASE setting page
4-11	T-BASE(Time Base) Default = 1.0 second	t.bASE 001.0	1.Decide Time Base with◀&▲&▼key(0.1~99.9 sec.) 2.Press㊫key enter data and into SCALER setting page
4-12	SCALER(Totalizer Scaler) Default = 1.00000	1.00000 SCALE	1.Decide Totalizer Scale with◀&▲&▼key (0.00001~99999.99999) 2.Press㊫key enter data and into T-RST setting page
4-13	T-RST(Totalizer Reset) Default = 0	t-rSt 00000	1.Decide Totalizer Reset with▲&▼key (0~4) 0 = Panel/Terminal/RS-485 can be reset 1 = Only Panel / Terminal can be reset 2 = Only Panel /RS-485 can be reset 3 = Only Terminal /RS-485 can be reset 4 = Only RS-485 can be reset 2. Press㊫key enter data and into P-UNIT setting page
4-14	P-UNIT(Totalizer Pulse Unit) Default = 1	P.Uni t 1	1.Decide Totalizer Pulse Unit with▲&▼key(0.001/0.01/0.1/1) 2. Press㊫key enter data and into P-FREQ setting page
4-15	P-FREQ(Pulse Output Frequency) Default = 100	P.FrEq 100	1.Decide Pulse Output Frequency with▲&▼key (1/5/10/25/50/100 Hz) 2. Press㊫key enter data and into AVG setting page
4-16	AVG(Rate Average) Default = 5	AuG 00005	1.Decide Rate Average with◀&▲&▼key(1~99) 2.Press㊫key enter data and into CODE-S setting page
4-17	CODE-S(Pass Code Setting) Default = 00000	CodE.S 00000	1.Decide Pass Code Setting with◀&▲&▼key(00000~99999) 2.Press㊫key enter data and into LOCK setting page
4-18	LOCK(Panel Lock) Default = 0	LoCK	1.Decide Panel Lock with▲&▼ key(0~2) 0 = All of operate procedure can be modified

		00000	1 = Only outside operate procedure can be modified 2 = All of operate procedure can not be modified 2.Press ㊞key enter data and return SYS Setting Group
5	ROP(Alarm Output setting group)	rop	1.Press◀key decide ROP setting group 2.Press㊞key into AL1-S setting page
5-1	AL1-S(Alarm 1 Select) Default = RATE	AL 1-S rAtE	1.Decide Alarm 1 Select with▲&▼ key(RATE/TOTAL) 2.Press㊞key enter data and into AL2-S setting page
5-2	AL2-S(Alarm 2 Select) Default = RATE	AL2-S rAtE	1.Decide Alarm 2 Select with▲&▼ key(RATE/TOTAL) 2.Press㊞key enter data and into AL3-S setting page
5-3	AL3-S(Alarm 3 Select) Default = RATE	AL3-S rAtE	1.Decide Alarm 3 Select with▲&▼ key(RATE/TOTAL) 2.Press㊞key enter data and into AL4-S setting page
5-4	AL4-S(Alarm 4 Select) Default = RATE	AL4-S rAtE	1.Decide Alarm 4 Select with▲&▼ key(RATE/TOTAL) 2.Press㊞key enter data and into ACT-1 setting page
5-5	ACT-1(Active 1) Default = HI	ACt-1 Hi	1.Decide Active 1 with▲&▼ key(HI/LO) 2.Press㊞key enter data and into ACT-2 setting page
5-6	ACT-2(Active 2) Default = HI	ACt-2 Hi	1.Decide Active 2 with▲&▼ key(HI/LO) 2.Press㊞key enter data and into ACT-3 setting page
5-7	ACT-3(Active 3) Default = HI	ACt-3 Hi	1.Decide Active 3 with▲&▼ key(HI/LO) 2.Press㊞key enter data and into ACT-4 setting page
5-8	ACT-4(Active 4) Default = HI	ACt-4 Hi	1.Decide Active 4 with▲&▼ key(HI/LO) 2.Press㊞key enter data and into DEL-1 setting page
5-9	DEL-1(Delay 1) Default = 0	dEL-1 00000	1.Decide Delay 1 with◀&▲&▼key(0~99) 2.Press㊞key enter data and into DEL-2 setting page
5-10	DEL-2(Delay 2) Default = 0	dEL-2 00000	1.Decide Delay 2 with◀&▲&▼key(0~99) 2.Press㊞key enter data and into DEL-3 setting page
5-11	DEL-3(Delay 3) Default = 0	dEL-3 00000	1.Decide Delay 3 with◀&▲&▼key(0~99) 2.Press㊞key enter data and into DEL-4 setting page
5-12	DEL-4(Delay 4) Default = 0	dEL-4 00000	1.Decide Delay 4 with◀&▲&▼key(0~99) 2.Press㊞key enter data and return ROP Setting Group
6	AOP(Analog Output setting group)	AoP	1.Press◀key decide AOP setting group 2.Press㊞key into AO-SEL setting page
6-1	AO-SEL(Analog Output Select) Default = RATE	Ao-SEL rAtE	1.Decide Analog Output Select with▲&▼key(RATE/TOTAL) 2.If AO-SEL = RATE,Press㊞key enter data and into step 6-2 R-ANLO setting page 3.If AO-SEL = TOTAL,Press㊞key enter data and into step 6-4 T-ANLO setting page
6-2	R-ANLO(RATE Analog Output Zero-According to Display) Default = 0	r.AnLo 00000	1.Decide RATE Analog Output Zero-According to Display with◀&▲&▼key(0~99999) 2.Press㊞key enter data and into R-ANHI setting page
6-3	R-ANHI(RATE Analog Output Span-According to Display) Default = 1000	r.AnHi 01000	1.Decide RATE Analog Output Span-According to Display with◀&▲&▼key(0~99999) 2.Press㊞key enter data and return AOP Setting Group
6-4	T-ANLO(Total Analog Output Zero-According to Display) Default = 0	000000 t.AnLo	1.Decide Total Analog Output Zero-According to Display with◀&▲&▼key(0~9999999999) 2.Press㊞key enter data and into T-ANHI setting page
6-5	T-ANHI(Total Analog Output Span-According to Display) Default = 1000	001000 t.AnHi	1.Decide Total Analog Output Span-According to Display with◀&▲&▼key(0~9999999999) 2.Press㊞key enter data and return AOP Setting Group

7	DOP(Communication setting group)	dOP	1.Press◀key decide DOP setting group 2.Press㊎key into ADDR setting page
7-1	ADDR(Communication Address) Default = 0	Addr 00000	1.Decide Communication Address with◀&▲&▼key(0~255) 2.Press㊎key enter data and into BAUD setting page
7-2	BAUD(Communication Baud Rate) Default = 19200	bAUd 19200	1.Decide Communication Baud Rate with▲&▼key(38400/ 19200/9600/4800/2400) 2.Press㊎key enter data and into PARI setting page
7-3	PARI(Communication Parity Check) Default = n.8.2.	PAr. n.8.2.	1.Decide Communication Parity Check with▲&▼key (n.8.2/n.8.1/even/odd) 2.Press ㊎ key enter data and return DOP Setting Group

√ Outside parameter operate procedure

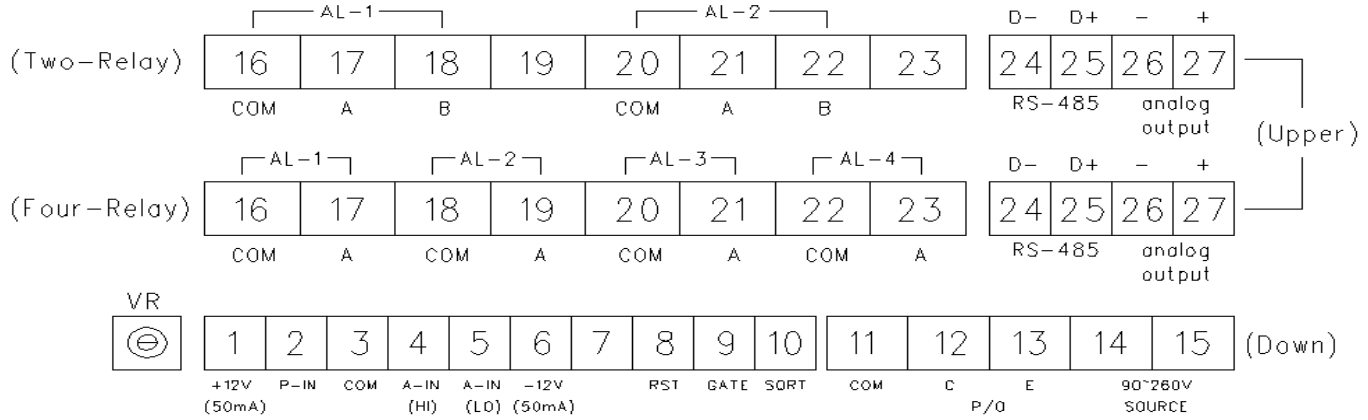
Step	Parameter Mark Description	Parameter Mark	Operation Manual
8	Normal display	0 1234	1.Press ◀/ALARM key beyond 3 seconds into AL-1 setting page
8-1	AL-1(Alarm 1) Default = 0	0000000000 AL-1	1.Decide Alarm 1 with◀&▲&▼key(AL1-S = RATE range is 0~99999,AL1-S = TOTAL range is 0~9999999999) 2. Press㊎key enter data and into AL-2 setting page
8-2	AL-2(Alarm 2) Default = 0	0000000000 AL-2	1.Decide Alarm 2 with◀&▲&▼key(AL2-S = RATE range is 0~99999,AL2-S = TOTAL range is 0~9999999999) 2. Press㊎key enter data and into AL-3 setting page
8-3	AL-3(Alarm 3) Default = 0	0000000000 AL-3	1.Decide Alarm 3 with◀&▲&▼key(AL3-S = RATE range is 0~99999,AL3-S = TOTAL range is 0~9999999999) 2. Press㊎key enter data and into AL-4 setting page
8-4	AL-4(Alarm 4) Default = 0	0000000000 AL-4	1.Decide Alarm 4 with◀&▲&▼key(AL4-S = RATE range is 0~99999,AL4-S = TOTAL range is 0~9999999999) 2. Press㊎key enter data and return normal display

Step	Parameter Mark Description	Parameter Mark	Operation Manual
9	Normal display	12345	1.When IN_T = AN,Press ▲/D-ADJ key beyond 3 seconds into DZERO setting page
9-1	DZERO(Rate display Zero Adjust)	d.Pro 00000	1.Decide Rate Display Zero Adjust with▲&▼key 2.Press㊎key enter data and into D-SPAN setting page
9-2	DSPAN(Rate display Span Adjust)	d.SPAn 99999	1.Decide Rate Display Span Adjust with▲&▼key 2.Press ㊎ key enter data and return normal display

Step	Parameter Mark Description	Parameter Mark	Operation Manual
10	Normal display	12345	1.Press ▼/A-ADJ key beyond 3 seconds into AZERO setting page
10-1	AZERO(Analog Output Zero Adjust) Default = 0	A.Pro 00000	1.Decide Analog Output Zero Adjust with◀&▲&▼key (-6000~6000) 2. Press㊎key enter data and into ASPAN setting page
10-2	ASPAN(Analog Output Span Adjust) Default = 0	A.SPAn 00000	1.Decide Analog Output Span Adjust with◀&▲&▼key (-6000~6000) 2.Press ㊎ key enter data and return normal display

Appendix	Error Mark description	Error Mark	Analyze & Description
1	Input over range error detect	.oFL	1.Input signal over measurable range
2	Display over range error detect	doFL	1 Input signal over display range (99999 or 9999999999)
3	EEPROM error detect	E-00 no YES	1.External interference when EEPROM read/write 2.EEPROM write over 1,000,000 cycles(guarantee 10 years) Please power reset,if still display E-00,doing below step: a.E-00 & No alternate display for inquire reset EEPROM b.Decide Yes with▲&▼key,Press㊎key return normal display c.EEPROM was reset,Please follow step 1~10 setting again

√ Terminal Connection Diagram



Terminal function description:

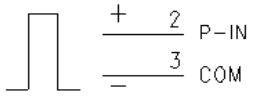
1.RST Terminal:When T-RST = 0/1/3,Once terminal RST & COM is short,The totalizer value will be reset.

2.GATE Terminal:When totalizer is counting,Once terminal GATE & COM is short, The totalizer count will be pause

3.SQRT Terminal:When terminal SQRT & COM is short,Analog input Square Root (0.5/1.5/2.5) will be action

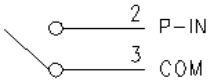
Note:VR is ON/OFF detect adjust for Magnetic pick-up signal

√ Pulse input and internal jumper table



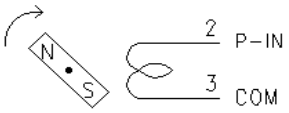
Voltage Pulse

S2-A	S2-B
OFF	OFF



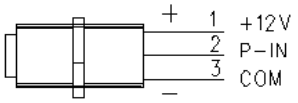
Switch contact/
open collector

S2-A	S2-B
ON	ON



Magnetic pick-off

S2-A	S2-B
OFF	ON

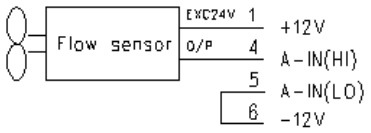


Proximity detector

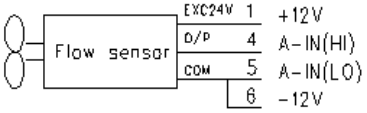
NPN		PNP	
S2-A	S2-B	S2-A	S2-B
ON	OFF	OFF	OFF

√ Analog input

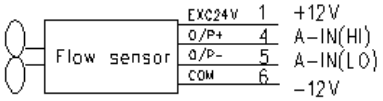
(Two-wire,Exc24V)



(Three-wire,Exc24V)



(Four-wire,Exc24V)



yMAFRT Modbus RTU Mode Protocol Address Map

yData format 16Bit/32Bit sign bit 8000~7FFF(-32768~32767)/80000000~7FFFFFFF(-2147483648~2147483647)

yData format 64Bit unsign bit 0000000000000000~FFFFFFFFFFFFFFFF(0 ~ (2^{64} -1))

Address	Name	Description	Accept
0000	IN-T	Input Type,Input Range 0000~0002(0~2)(0:AN,1:PULSE,2:MAG-P)	R/W
0001	D-UNIT	Display Flow Unit,Input Range 0000~0004(0~4)(0:TON,1:M3,2:LITER,3:GAL,4:CC)	R/W
0002	T-UNIT	Time base Unit,Input Range 0000~0003(0~3)(0:SEC,1:MIN,2:HR,3:DAY)	R/W
0003	DP-R	Rate Decimal Point,Input Range 0000~0004(0~4)	R/W
0004	DP-T	Totalizer Decimal Point,Input Range 0000~0004(0~4)	R/W
0005	DP-KF	Pulse input K-Factor Decimal Point,Input Range 0000~0004(0~4)	R/W
0006	SQRT-K	Analog input Square Root Constant-K,Input Range 0000~0002(0~2)(0:0.5,1:1.5,2:2.5)	R/W
0007	P-UNIT	Totalizer Pulse Unit,Input Range 0000~0003(0~3)(0:0.001,1:0.01,2:0.1,3:1)	R/W
0008	AO-SEL	Analog Output Select,Input Range 0000~0001(0~1) (0:RATE,1:TOTAL)	R/W
0009	T-RST	Totalizer Reset,Input Range 0000~0004 (0~4)	R/W
000A	AVG	Rate Average,Input Range 0001~0063 (1~99)	R/W
000B	LOCK	Panel Lock,Input Range 0000~0002(0~2)	R/W
000C	AL1-S	Alarm 1 Select,Input Range 0000~0001 (0~1)(0:RATE,1:TOTAL)	R/W
000D	AL2-S	Alarm 2 Select,Input Range 0000~0001 (0~1)(0:RATE,1:TOTAL)	R/W
000E	AL3-S	Alarm 3 Select,Input Range 0000~0001 (0~1)(0:RATE,1:TOTAL)	R/W
000F	AL4-S	Alarm 4 Select,Input Range 0000~0001 (0~1)(0:RATE,1:TOTAL)	R/W
0010	ACT-1	Active 1,Input Range 0000~0001 (0~1)(0:HI,1:LO)	R/W
0011	ACT-2	Active 2,Input Range 0000~0001 (0~1)(0:HI,1:LO)	R/W
0012	ACT-3	Active 3,Input Range 0000~0001 (0~1)(0:HI,1:LO)	R/W
0013	ACT-4	Active 4,Input Range 0000~0001 (0~1)(0:HI,1:LO)	R/W
0014	DEL-1	Delay 1,Input Range 0000~0063 (0~99)	R/W
0015	DEL-2	Delay 2,Input Range 0000~0063 (0~99)	R/W
0016	DEL-3	Delay 3,Input Range 0000~0063 (0~99)	R/W
0017	DEL-4	Delay 4,Input Range 0000~0063 (0~99)	R/W
0018	ADDR	Communication Address,Input Range 0000~00FF (0~255)	R/W
0019	BAUD	Baud Rate,Input Range 0000~0004 (0~4)(0:38400,1:19200,2:9600,3:4800,4:2400)	R/W
001A	PARI	Parity Check,Input Range 0000~0003 (0~3)(0:N82,1:N81,2:EVEN,3:ODD)	R/W
001B	T-BASE	Time Base,Input Range 0001~03E7(1~999)	R/W
001C	DSPL-R	Rate Display Low,Input Range 0001~03E7 (0~999)	R/W
001D	AZERO	Analog Output Zero Adjust,Input Range E890~1770 (-6000~6000)	R/W
001E	ASPAN	Analog Output Span Adjust,Input Range E890~1770 (-6000~6000)	R/W
001F	CODE-S	Pass Code Setting,Input Range 00000000~0001869F (0~99999) high word	R/W
0020		Pass Code Setting,Input Range 00000000~0001869F (0~99999) low word	R/W
0021	KF	K-Factor,Input Range 00000001~0001869F(1~99999) high word	R/W
0022		K-Factor,Input Range 00000001~0001869F(1~99999) low word	R/W
0023	DSPH-R	Analog input Rate Display High,Input Range 00000000~0001869F(0~99999) high word	R/W
0024		Analog input Rate Display High,Input Range 00000000~0001869F(0~99999) low word	R/W
0025	R-ANLO	RATE Analog Output Zero-According to Display,Input Range 00000000~0001869F(0~99999) high word	R/W
0026		RATE Analog Output Zero-According to Display,Input Range 00000000~0001869F(0~99999) low word	R/W
0027	R-ANHI	RATE Analog Output Span-According to Display,Input Range 00000000~0001869F(0~99999) high word	R/W
0028		RATE Analog Output Span-According to Display,Input Range 00000000~0001869F(0~99999) low word	R/W
0029	AL-1	Alarm 1,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)high word	R/W
002A		Alarm 1,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)	R/W
002B		Alarm 1,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)	R/W
002C		Alarm 1,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)low word	R/W
002D	AL-2	Alarm 2,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)high word	R/W

002E		Alarm 2,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)	R/W
002F		Alarm 2,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)	R/W
0030		Alarm 2,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)low word	R/W
0031	AL-3	Alarm 3,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)high word	R/W
0032		Alarm 3,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)	R/W
0033		Alarm 3,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)	R/W
0034		Alarm 3,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)low word	R/W
0035	AL-4	Alarm 4,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)high word	R/W
0036		Alarm 4,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)	R/W
0037		Alarm 4,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)	R/W
0038		Alarm 4,Input Range 00000000~0001869F(0~99999)/0000000000000000~00000002540BE3FF(0~9999999999)low word	R/W
0039	SCALER	Totalizer Scaler,Input Range 0000000000000001~00000002540BE3FF(1~9999999999) high word	R/W
003A		Totalizer Scaler,Input Range 0000000000000001~00000002540BE3FF(1~9999999999)	R/W
003B		Totalizer Scaler,Input Range 0000000000000001~00000002540BE3FF(1~9999999999)	R/W
003C		Totalizer Scaler,Input Range 0000000000000001~00000002540BE3FF(1~9999999999)low word	R/W
003D	T-ANLO	Total ANLO,Input Range 0000000000000000~00000002540BE3FF(0~9999999999) high word	R/W
003E		Total ANLO,Input Range 0000000000000000~00000002540BE3FF(0~9999999999)	R/W
003F		Total ANLO,Input Range 0000000000000000~00000002540BE3FF(0~9999999999)	R/W
0040		Total ANLO,Input Range 0000000000000000~00000002540BE3FF(0~9999999999) low word	R/W
0041	T-ANHI	Total ANHI Input Range 0000000000000000~00000002540BE3FF(0~9999999999) high word	R/W
0042		Total ANHI,Input Range 0000000000000000~00000002540BE3FF(0~9999999999)	R/W
0043		Total ANHI,Input Range 0000000000000000~00000002540BE3FF(0~9999999999)	R/W
0044		Total ANHI,Input Range 0000000000000000~00000002540BE3FF(0~9999999999) low word	R/W
0045	DISPLAY-R	Rate display,Display range 00000000~0001869F(0~99999) high word	R
0046		Rate display,Display range 00000000~0001869F(0~99999) low word	R
0047	DISPLAY-T	Totalizer display,Display range 0000000000000000~00000002540BE3FF(0~9999999999) high word	R
0048		Totalizer display,Display range 0000000000000000~00000002540BE3FF(0~9999999999)	R
0049		Totalizer display,Display range 0000000000000000~00000002540BE3FF(0~9999999999)	R
004A		Totalizer display,Display range 0000000000000000~00000002540BE3FF(0~9999999999) low word	R
004B	STATUS	Alarm output status,Display range 0000~007F(0~127)(Bit0:AL-1,Bit1:AL-2,Bit2:AL-3,Bit3:AL-4, Bit4:IOFL, Bit5:RATE DOFL,Bit6:TOTAL DOFL	R
004C	TOTAL-RST	When T-RST setting is not 1,Input Range 0001(1) will be reset totalizer value	W
004D	P_FREQ	Pulse Output Frequency,Input Range 0000~0005(0~5)(0:1,1:5,2:10,3:25,4:50,5:100)	R/W