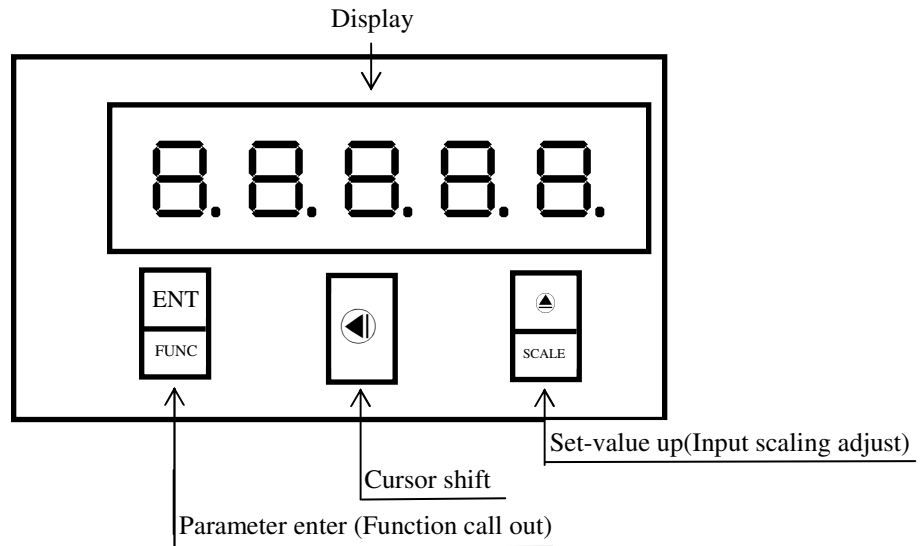


AXE MICROPROCESS RPM&LINE-SPEED CONTROLLER METER MR24 Series

■ FEATURES

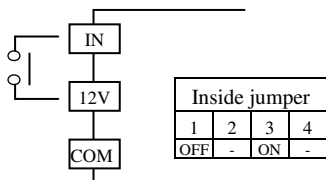
- ⊙ Accept more type sensors (switch, encoder, proximity switch, ... etc)
- ⊙ Accuracy 0.01% F.S.
- ⊙ Input range (0~50KHz), Readout range (0~99999)
- ⊙ Decimal point can be modified
- ⊙ LINE-SPEED unit can be modified
- ⊙ Diameter (LINE-SPEED)/scale (RPM) can be modified (0.0001~9.9999)
- ⊙ Input pulse of revolution can be modified (1~99999)
- ⊙ Display avrage times can be modified (1~99)
- ⊙ EEPROM Saving, data safekeeping about 10 years

■ NAME OF PARTS

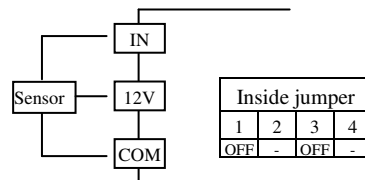


■ Connect diagram

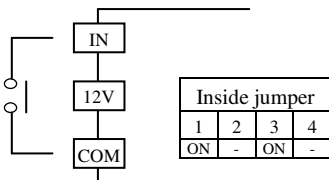
⊙ Contact input (PNP)



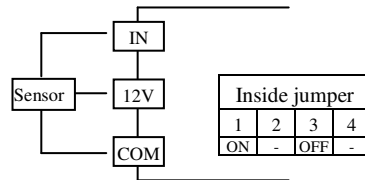
⊙ Sensor input (PNP)



⊙ Contact input (NPN)



⊙ Sensor input (NPN)



■ Input function jumper table

□ □	4	Position 4	Non use
□ □	3	Position 3	ON: 0~50Hz, OFF: 0~50KHz
□ □	2	Position 2	Non use
□ □	1	Position 1	ON: NPN, OFF: PNP

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.Into parameter setting page, the parameter mark&data is alternate display, If need modify data can press shift 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 SCALE setting page 2. .Into parameter setting page, the parameter mark&data is alternate display, If need modify data can press up 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)
NO key in anything	In setting group or setting page no key in anything about 2 minutes, return normal display, but if in Setting page the modify data will be lost

Step	Parameter Mark Description	Parameter Mark	Operation Manual
1	Normal display	1 2 3 4 5	Press ☼/FUNC key about 3 sec,into key into DP setting page
1-1	DP(Decimal Point setting page) Default = 0	dp	1.Decide decimal point position with ▲ key (0 to 4) 2.Decide ☼ key enter data and into TYPE setting page
		0	
1-2	TYPE(Display Type) Default=RPM	TYPE	1.Decide display type with ▲ key(RPM/LINE) 2.Decide ☼ key enter data and into UNIT setting page
		r P n	
1-3	UNIT(Line Speed Unit) Default=METER	U n t	1.Decide line speed unit with ▲ key(METER/FOOT/YARD) 2.Press ☼ key enter data and into PPR setting page
		n E t E r	
1-4	PPR(Pulse Per Revolution) Default=1	PP r	1.Decide pulse per revolution with ◀&▲ key(1~99999) 2.Press ☼ key enter data and into TBASE setting page
		0 0 0 0 1	
1-5	TBASE (Sampling Time Base) Default=0.1	t b A S E	1.Decide sampling time base with ◀&▲ key(0.1~99.9S) 2.Press ☼ key enter data and into AVG setting page
		0 0 0 0 . 1	
1-6	AVG (Display Average times) Default=5	A v G	1.Decide display average times with ◀&▲ key(1~99) 2. Press ☼ key enter data and return normal display
		0 0 0 0 5	

Step	Parameter mark description	Parameter mark	Operation manual
2	Normal display	1 2 3 4 5	Press ▲/SCALE key about 3 sec,into SCALE setting page
2-1	SCALE (Display Scale setting page) Default=1	S C A L E	1.Decide scale with ◀ or ▲ key(0.0001~9.9999) 2.Press ☼ key enter data and return normal display RPM(scale = 0.0001~9.9999), LINE-SPEED(rotation diameter = 0.0001~9.9999M)
		1.0 0 0 0	

Appendix	Error Mark description	Error Mark	Analyze & Description
1	Input over range error detect	r o F L	Input signal over range(0~50KHz)
2	Display over range error detect	d o F L	Input signal over display range(99999)
3	EEPROM error detect	E - 0 0	1.External interference when EEPROM read/write 2.EEPROM write over 100 million times(guarantee 10 years) Please power reset,if still display E-00,doing following step: 1.E-00 & No alternate display for inquire reset EEPROM 2.Decide Yes with ▲ key,press ☼ key return normal display 3.EEPROM was reset,Please follow step 1~2 set again
		0 0	
		YES	