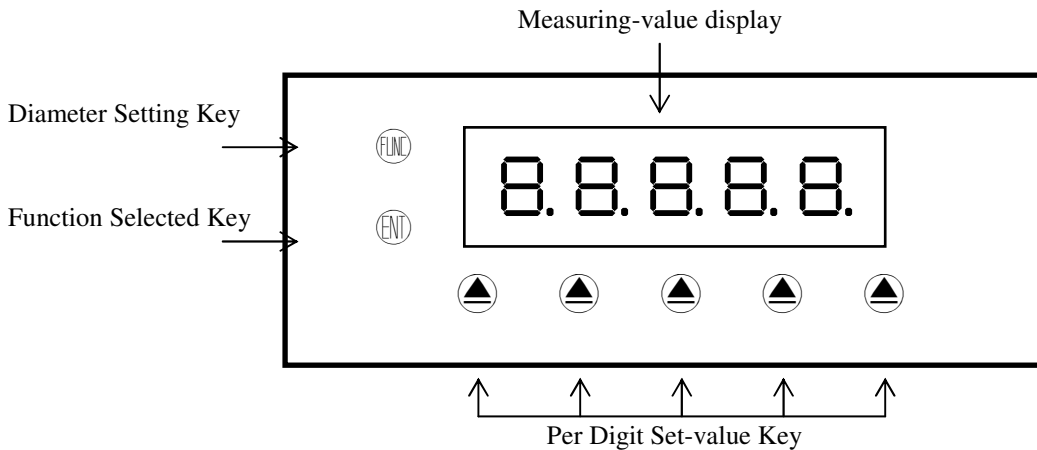


FEATURES

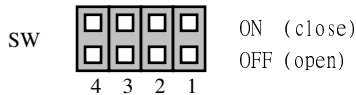
- ⊙ Accept more type sensor(MOS/TTL/NPN/PNP), finish RPM/LINE-SPEED /HZ measuring
- ⊙ Accuracy 0.01% F.S.
- ⊙ Readout range 0~99999
- ⊙ Accepts input rates up to 50KHz
- ⊙ Decimal point can be modified
- ⊙ Input pulse of revolution can be modified(1~9999)
- ⊙ Diameter(LINE-SPEED)/scale(RPM)can be modified(0.0001~9.9999)
- ⊙ LINE-SPEED unit can be modified(Meter/Min, Foot/Min, Yard/Min)
*Meter/Min is calculate base
- ⊙ Input pulse cut-off sampling time can be modified(0.1~99.9 sec)
- ⊙ Display average times can be modified(1~99 times)
- ⊙ Display type of RPM or LINE-SPEED can be modified
- ⊙ 0.56" highlight display
- ⊙ Man-machine interface,easy to operate
- ⊙ EEPROM saveing,data safekeeping about 10 years

NAME OF PARTS



Input Function Jumper Description

- ⊙ SW 1&2 -> Input pulse type selection
- ⊙ SW 3 -> Input pulse trigger levels
- ⊙ SW 4 -> Input pulse max. rate

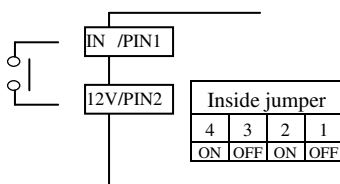


Description:

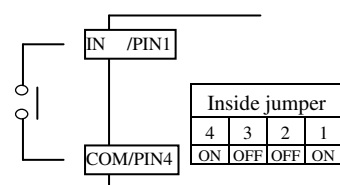
- ⊙ SW1=ON(SW2=OFF)->NPN pulse input(sinking)
- ⊙ SW2=ON(SW1=OFF)->PNP pulse input(source)
- ⊙ SW3=OFF -> $V_{in} \geq 7.5V$ pulse trigger
 $V_{in} \leq 5.5V$ pulse no trigger
- ⊙ SW3=ON -> $V_{in} \geq 3.7V$ pulse trigger
 $V_{in} \leq 2.0V$ pulse no trigger
- ⊙ SW4=OFF -> Input pulse max. rate 50KHz
- ⊙ SW4=ON -> Input pulse Max. rate 50Hz

Connect Diagram

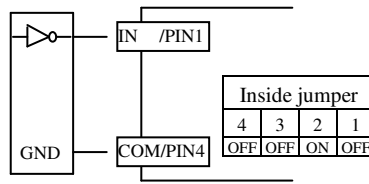
⊙ Contact input(PNP)



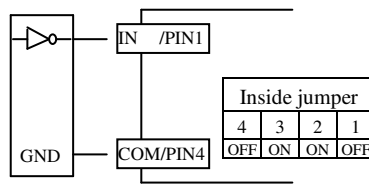
⊙ Contact input(NPN)



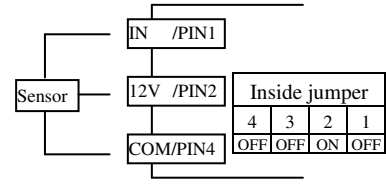
⊙ CMOS input(12V or 15V)



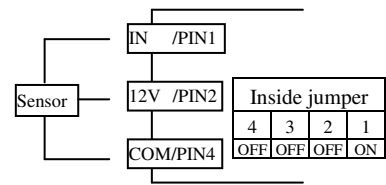
⊙ TTL input(5V)



⊙ Sensor input(PNP 12V)



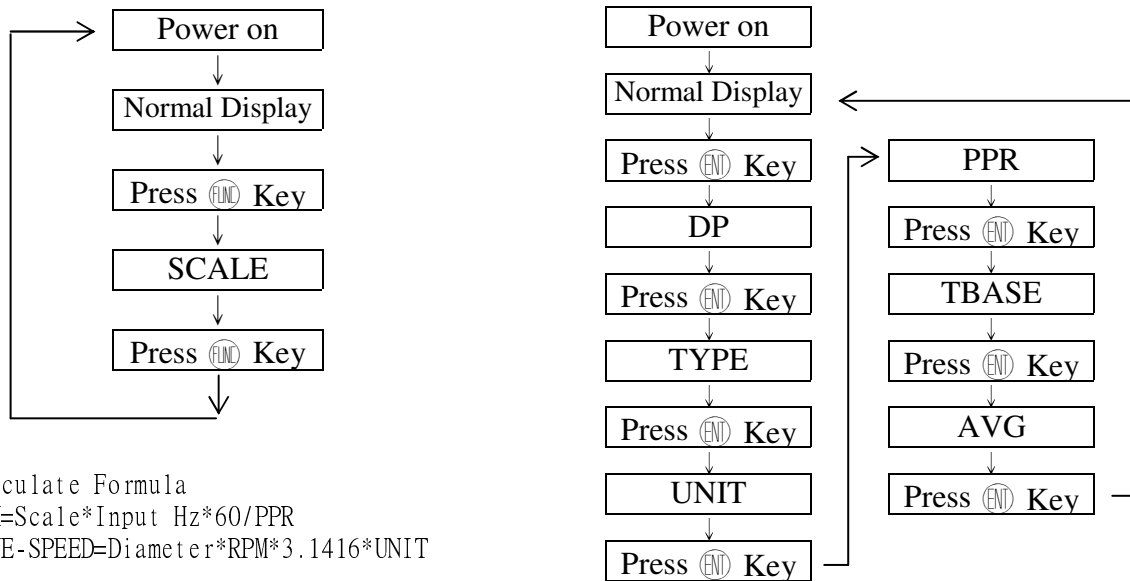
⊙ Sensor input(NPN 12V)



Easy operation manual

(Diameter or Scale operation manual)

(Parameter operation manual)



註: Calculate Formula
 $RPM = Scale * Input\ Hz * 60 / PPR$
 $LINE-SPEED = Diameter * RPM * 3.1416 * UNIT$

Step	Parameter Mark Description	Parameter Mark	Operation Manual
1-1	Normal Display	1 2 3 4 5	Press [ENT] key about 3 sec into step 1-2 DP setting page
1-2	DP(Decimal Point setting page)Value on EEPROM reset=LSB	DP	1. Decide decimal point position with per digit [▲] key 2. Press [ENT] key enter data and into TYPE setting page
		0	
1-3	TYPE(Input Type setting page)Value on EEPROM reset=RPM	TYPE	1. Decide input type with per digit [▲] key(RPM/LINE) 2. Press [ENT] key enter data and into UNIT setting page
		r P n	
1-4	UNIT(LINE-SPEED Unit setting page)value on EEPROM reset=METER	UNIT	1. Decide unit with per digit [▲] key(METER/FOOT/YARD) 2. Press [ENT] key enter data and into PPR setting page
		n E t E r	
1-5	PPR(Pulse Per Revolution setting page) Value on EEPROM reset=1	PPR	1. Decide pulse per revolution with per digit [▲] key(1~9999) 2. Press [ENT] key enter data and into TBASE setting page
		0001	
1-6	TBASE (Input sampling Time Base setting page) Value on EEPROM reset=2.0	tBASE	1. Decide input sampling time base with per digit [▲] key(0.1~99.9sec) 2. Press [ENT] key enter data and into AVG setting page
		02.0	
1-7	AVG (Display Average times setting page) Value on EEPROM reset=2	AVG	1. Decide display average times with per digit [▲] key(1~99) 2. Press [ENT] key enter data and return normal display *When average times increment, display response time add 100mS
		02	
Step	Parameter Mark Description	Parameter Mark	Operation Manual
2-1	Normal Display	1 2 3 4 5	Press [F1] key, into SCALE setting page
2-2	SCALE (Display Scale setting page) Value on EEPROM reset=1	SCALE	1. Decide display scale with per digit [▲] key(0.0001~9.9999) 2. Press [F1] key enter data and return normal display RPM(scale = 0.0001~9.9999), LINE-SPEED(rotation diameter = 0.0001~9.9999M)
		1.0000	
Appendix	Error Mark Description	Error Mark	Analyze & Description
1	Input over error detect	oFL	Input over range(max. rate 50KHZ)
2	Display over error detect	d oFL	Display over range(max. rate 99999)
3	EEPROM error detect	E - 00	1. External interference when EEPROM read/write
			2. EEPROM write over 100 million times(guarantee 10 years)