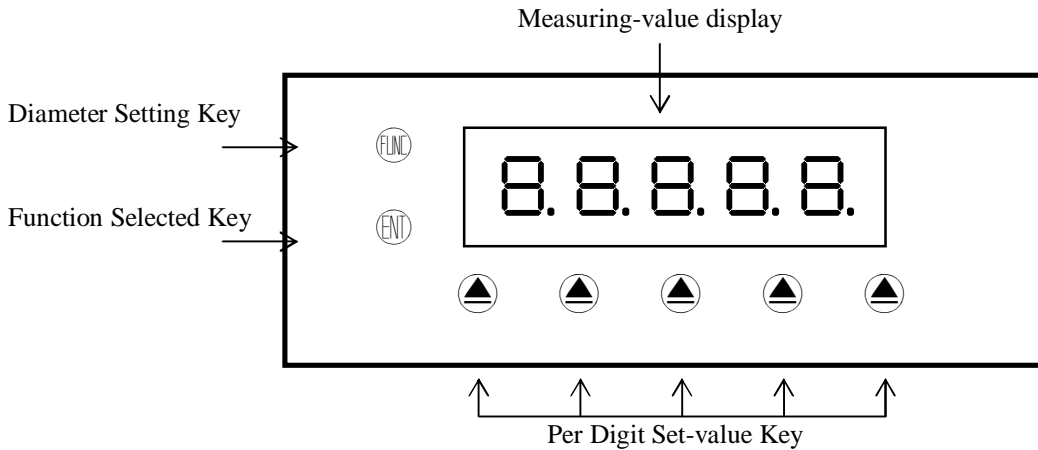


FEATURES

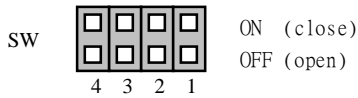
- ⊙ Accept more type sensor(MOS/TTL/NPN/PNP), finish RPM/LINE-SPEED /HZ measuring
- ⊙ Accuracy 0.01% F.S.
- ⊙ Readout range 0~99999
- ⊙ Accepts input rates up to 50KHz
- ⊙ Decimal point can be modified
- ⊙ Input pulse of revolution can be modified(1~99999)
- ⊙ Diameter(LINE-SPEED)/scale(RPM)can be modified(0.0001~9.9999)
- ⊙ 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
- ⊙ 0.566 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

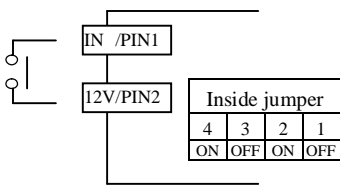


Description:

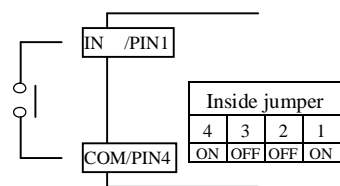
- ⊙ SW1=ON(SW2=OFF)->NPN pulse input(sinking)
- ⊙ SW2=ON(SW1=OFF)->PNP pulse input(source)
- ⊙ SW3=OFF -> $V_{in} \geq 7.5V$ pulse trigger
 $V_{in} \leq 5.5V$ pulse no trigger
- SW3=ON -> $V_{in} \geq 3.7V$ pulse trigger
 $V_{in} \leq 2.0V$ pulse no trigger
- ⊙ SW4=OFF -> Input pulse max. rate 50KHz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

Connect Diagram

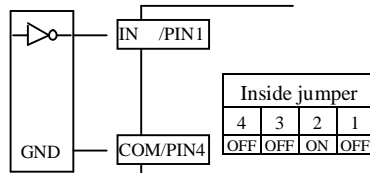
⊙ Contact input(PNP)



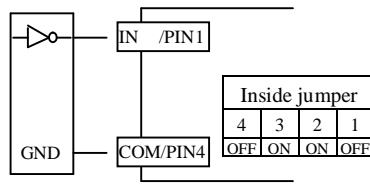
⊙ Contact input(NPN)



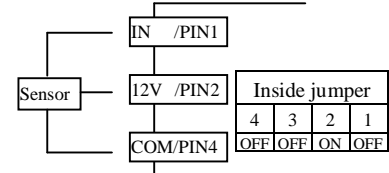
⊙ CMOS input(12V or 15V)



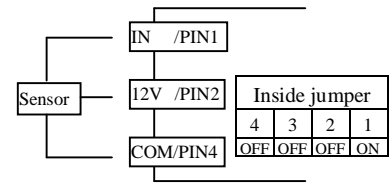
⊙ TTL input(5V)



⊙ Sensor input(PNP 12V)



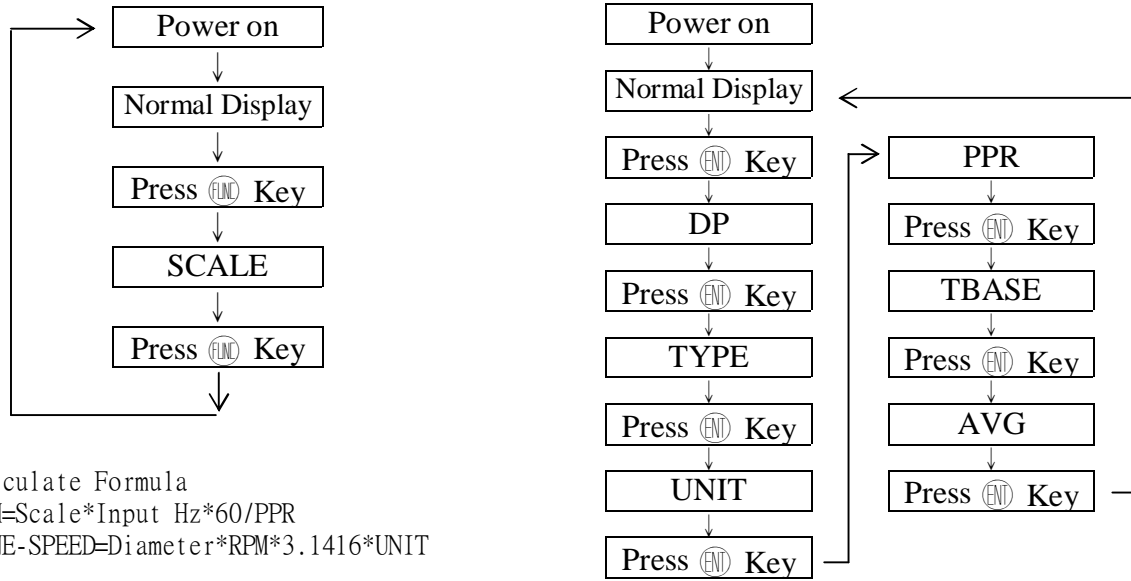
⊙ Sensor input(NPN 12V)



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 | 12345 | 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(1~99999) 2. Press [ENT] key enter data and into TBASE setting page |
| | | 00001 | |
| 1-6 | TBASE (Input sampling Time Base setting page) Value on EEPROM reset=1.0 | 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 |
| | | 0.10 | |
| 1-7 | AVG (Display Average times setting page) Value on EEPROM reset=5 | 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 |
| | | 05 | |
| Step | Parameter Mark Description | Parameter Mark | Operation Manual |
| 2-1 | Normal Display | 12345 | Press [ENT] 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 [ENT] 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) |