

SM series DIN 72 x 72/96x48 TACHOMETER & LINE SPEED METER



- ☆ Multi-Meter
Tachometer , Duty Meter &
Line Speed Meter .
- ☆ Pules per Revolution Settable .
- ☆ Sampling Time Settable .
- ☆ Decimal Point Auto Shift .
- ☆ Unit of Diameter : mm



Specification

| | | |
|---------------------------|--|------------------|
| Outline | DIN 72 x 72 x 120 | DIN 96 x 48 x 90 |
| Model | SM - 30 | SM - 20 |
| Power Supply | 110V / 220VAC \pm 20% , 50/60Hz | |
| DC Power Output | 12VDC / 60mA Max. | |
| Sampling Time(S.T.) | 1 ~ 99 Sec Settable | |
| Pules Per Revolution(PPR) | 1 ~ 999 PPR Settable | |
| Decimal Point | Auto Shift | |
| Response Frequence | High Speed < 2.5K Hz ; Low Speed < 30Hz | |
| Dielectric Strength | Over 2.5 KV / 1 min , Between Power And Each Terminal | |
| Isolation Strength | Over 100M Ω /500VDC , Between Power And Each Terminal | |
| Operating Temp./Hum. | -20 $^{\circ}$ C ~ +60 $^{\circ}$ C ; 35 ~ 85% RH | |
| Weight | | |

Setting of Lock or Limit

SM-30

Slide Switch (NRC)

N : Lock of Parameter Setting

R : Un-Lock of Parameter Setting

Inner DIP Switch

#1 ON : With Limit Setting

#1 OFF : Without Limit Setting

#2 NO : Non Decimal Poine

#2 OFF : Decimal Point Auto shift

SM-20

DIP Switch

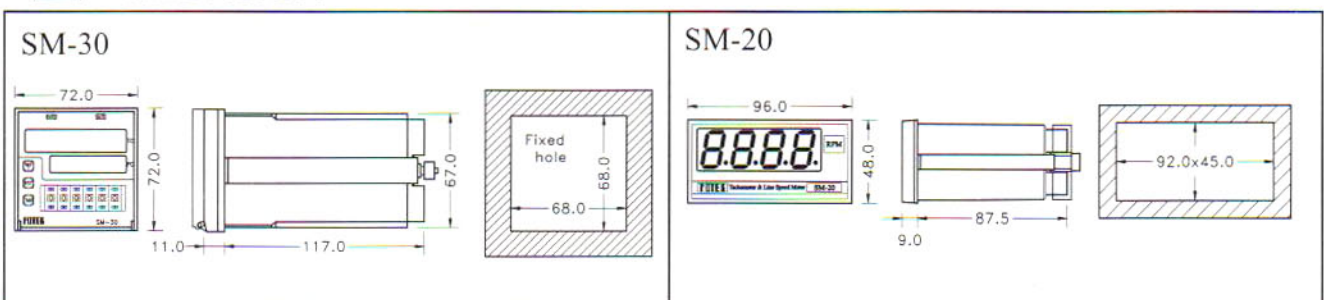
#1 ON : Un-Lock of Parameter Setting

#1 OFF : Lock of Parameter Setting

#2 ON : With Limit Setting

#2 OFF : Without Limit Setting

Dimension



Setting of Parameter 參數設定

| Parameter | Display | Remarks |
|---|---------|---|
| Status of running 運轉狀態 Press (SET) 2 sec 按 (SET) 鍵 2 秒 | 8888 | 1. Slide switch N/R : N=Lock ; R=Unlock |
| Setting of PPR PPR 設定 Press (SET) 按 (SET) 鍵 | P001 | 1. PPR : Pulses Per Revolution 每轉信號數 2. Range : 1~999 3. Set By (UP) or (DN) Key |
| Setting of Diameter 直徑設定 Press (SET) 按 (SET) 鍵 | d000 | 1. d : Diameter of Roller 轉軸直徑 2. Range : 1~999 3. Set By (UP) or (DN) Key |
| Setting of Limit 警報設定 Press (SET) 按 (SET) 鍵 | 0000 | 1. Range : 1~999 2. Set By (UP) or (DN) Key 3. Display is Flicking |
| Setting of limit status 警報狀態設定 Press (SET) 按 (SET) 鍵 | C0 | 1. C0 : PV > Limit → Relay on 2. C1 : PV < Limit → Relay on 3. Setted By (UP) or (DN) Key |
| Power on Delay Time 動作延遲時間 Press (SET) 按 (SET) 鍵 | t000 | 1. t : Power on Delay Time 2. Range : 0~99 Sec 3. Setted By (UP) or (DN) Key |

Selection of Meter <Inner Rotary Switch>

| Nr | Type of Meter | Method of Measuring |
|----|---------------------------|----------------------------------|
| 0 | Tachometer <RPM> | RPM Revolutions per Minute 每分鐘幾轉 |
| 1 | Tachometer <RPS> | RPS Revolutions per Second 每秒鐘幾轉 |
| 2 | Tachometer <RPH> | RPH Revolutions per Hour 每小時幾轉 |
| 3 | Line Speed Meter <M/min> | M/min Meter Per Minute 每分鐘幾米 |
| 4 | Line Speed Meter <Yd/min> | Yd/min Yard per Minute 每分鐘幾碼 |
| 5 | Duty Meter <sec> | Sec Time of Duty 通過時間 |

Input Circuit & Connection Diagram

