

# Potentiometer Transmitters SLIMPACK

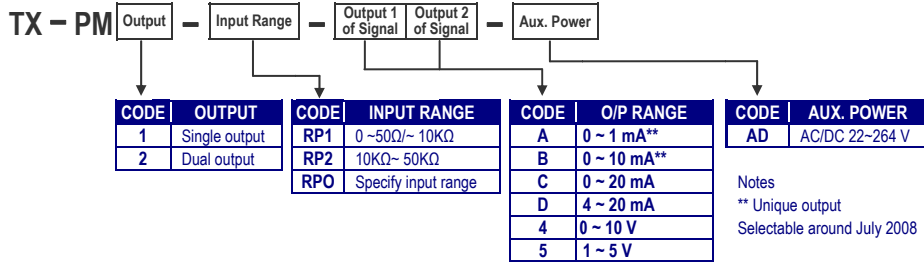
**TX-PM**

## FEATURES

- Input: Potentiometer 0~50Ω/~1.0KΩ and 0~50Ω/~50KΩ Programmable by dip switches
- Output V & mA selected via terminals and 0~5V / 0~10V / 1~5V / 0~20mA / 4~20mA selected via dip switches
- Dual signal output available in 22.5 mm thin profile
- Wide power supply range AC & DC 22 ~ 264V
- CE Approved



## ORDER CODING



## TECHNICAL DATA

Signal input (change input range by dip-switch)

Input Range	Input Signal (Selected by dip-switch on pcb)	Excitation Supply	Input Impedance
Potentiometer	RP1 0 ~ 50Ω / ~ 1.0KΩ RP2 0 ~ 50Ω / ~ 50.0KΩ		1MΩ

Analogue output (change output range by dip-switch)

Output Range	Load Resistance	Output Signal (Selected by terminals)
0 ~ 20 mAdc	≤ 600Ω	Output 1: Io(mA output by terminal 9+ & 8-) Output 1: Vo(V output by terminal 7+ & 8-)
4 ~ 20 mAdc	≤ 600Ω	
0 ~ 10 Vdc	≥ 500Ω	Output 2: Io(mA output by terminal 12+ & 11-) Output 2: Vo(V output by terminal 10+ & 11-)
0 ~ 5 Vdc	≥ 500Ω	
1 ~ 5 Vdc	≥ 500Ω	
2 ~ 10 Vdc	≥ 500Ω	

Accuracy:

≤ ±0.2% of F.S. factory  
≤ ±2% of F.S. after range change without recal

Linearity:

≤ 0.1% of F.S.

Response time:

≤ 250msec (10%~90% of FS)

Output ripple:

≤ ±0.1% of F.S.

Span adjustment:

≤ ±10% of F.S.

Zero adjustment:

≤ ±10% of F.S.

**Power**

Power supply:

AC/DC 20~265V

Power consumption:

DC 4W, AC 5.0VA

**Environmental**

Operating Temperature:

0~60 °C

Operating humidity:

20~95% RH, Non-condensing

Temperature Coefficient:

≤ 100PPM/°C (0~50 °C)

Storage temperature:

-10~70 °C

Protection:

IP 42

**Mechanical**

Dimensions:

81.8mm x 99mm x 22.5mm

Housing:

Self-extinguishing, black ABS, UL94V0

Terminals:

Screw terminal, up to 2 x 2.5mm<sup>2</sup> wire

Mounting:

35mm DIN rail (EN50022)

Weight:

250g

**Specification**

Electrical Safety:

IEC 61010 (Installation category 3)

EMC:

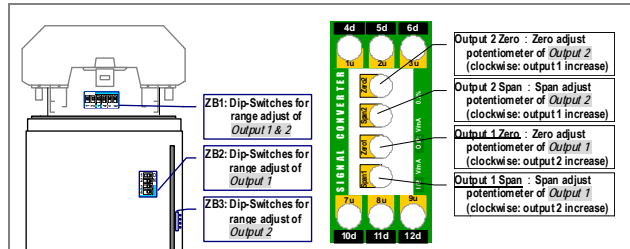
EN 61326

Electric Isolation:

AC 2.0KV for 1min

Insulation resistance:

Between Power / Input / Output1 / Output2 / Case  
≥ 100MΩ at 500Vdc



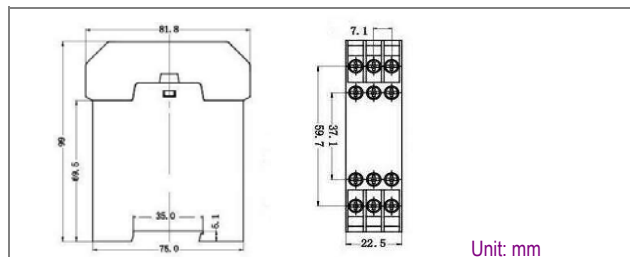
### Signal input

V/mA INPUT - (CODE: P1)				mV INPUT - (CODE: P2)			
SIGNAL RANGE	DIP SWITCH (ZA1)			SIGNAL RANGE	DIP SWITCH (ZA1)		
	SW1	SW2	SW3		SW1	SW2	SW3
0 ~ 5 V			on	0 ~ 50 mV	on		
0 ~ 10 V				0 ~ 60 mV		on	
1 ~ 5 V	on		on	0 ~ 75 mV			on
2 ~ 10 V	on			0 ~ 100 mV			
0 ~ 20 mA	on	on					
4 ~ 20 mA	on	on	on				

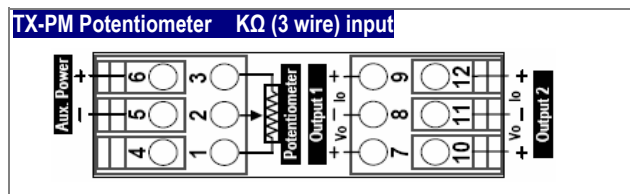
### Signal output

SIGNAL RANGE	DIP SWITCH - ZB1 (ZB1 for O/P1 & O/P2)						DIP SWITCH - ZB2 (ZB2:O/P1)				DIP SWITCH - ZB3 (ZB3:O/P2)				
	OUTPUT2		OUTPUT1		OUTPUT1		OUTPUT1		OUTPUT2		OUTPUT2				
	SW1	SW2	SW3	SW4	SW5	SW6	SW1	SW2	SW3	SW4	SW1	SW2	SW3	SW4	
0 ~ 5 V	on				on		on		on		on		on		on
0 ~ 10 V	on				on		on		on		on		on		on
1 ~ 5 V		on			on		on		on		on		on		on
2 ~ 10 V		on			on		on		on		on		on		on
0 ~ 20 mA	on				on		on		on		on		on		on
4 ~ 20 mA	on				on		on		on		on		on		on

## DIMENSIONS



## CONNECTION DIAGRAM



## ADJUSTMENT