

# THREE OUTPUT ISOLATORS TRANSMITTER



## FEATURES

- Directly accept process signal input (DCA, DCV, ACA, ACV, Transmitter, Pt-100, Thermocouple) and provide three independent and isolated DC outputs
- Accuracy 0.1% F.S
- Input/output1/output2/output3 isolation 1.6KVdc
- High stability & Dimension small

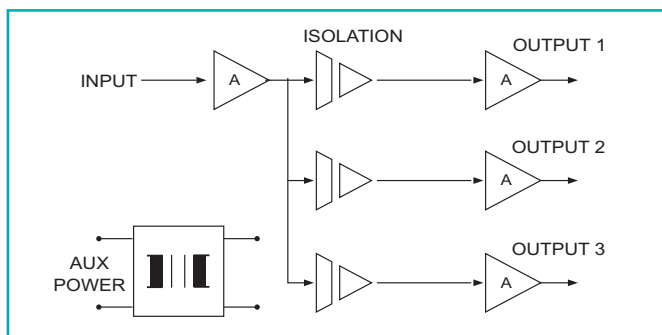
## 1. MODEL: PF-TDI - [Color] - [Color] - [Color] - [Color]

NO	Input Type	NO	DCV (ACV)	NO	DCA (ACA)	NO	Transmitter	NO	Pt-100	NO	Thermocouple	NO	Output Range Voltage/Current	NO	Aux. Power
A	DC	11	0-10mV	21	0-200µA	31	4-20mA	41	-50~50°C	51	0-600°C(J)	B	0 ~ 1 V	1	AC 110V/220V (50/60Hz)
B	AC (RMS)	12	0-50mV	22	0-1mA	32	1-5V	42	-100~100°C	52	0-1200°C(K)	E	0 ~ 5 V	2	DC 24V
C	AC (TRMS)	13	0-100mV	23	0-5mA	33	4-20mA	43	-200~200°C	53	0-1600°C(R)	F	1 ~ 5 V	3	DC 48V
D	Transmitter	14	0-1V	24	0-10mA	34	1-5V	44	-0~850°C	59	SPECIFIED	H	0 ~ 10 V	4	DC 110V
E	Pt-100 (RTD)	15	0-10V	25	0-20mA	39	SPECIFIED	45	-200~850°C	• Accuracy 0.25% F.S. ±0.5°C • Internal C/J trace ability ≤ ±0.5°C ≤ 10min. warm up	I	2 ~ 10 V	5	DC 220V	
F	Thermocouple	16	0-35V	26	0-2A	• Two wire connection • 31-32 non-exciting DC 24V • 33-34 exciting DC 24V (≤25mA)	49	SPECIFIED	J		0 ~ 1 mA	6	AC 90~260V		
O	SPECIFIED	17	0-200V	27	0-5A		• Three wire connection	• Internal C/J trace ability ≤ ±0.5°C ≤ 10min. warm up	N		0 ~ 10 mA	7	SPECIFIED		
		18	0-1000V	28	10-50mA							P	0 ~ 20 mA	• ±20% of rate, less 6.5VA for AC input • ±20% of rate, less 5WATT for DC input • ±10% of rate, less 6.5VA for AC switching input	
		19	SPECIFIED	29	SPECIFIED				Q	4 ~ 20 mA					
												R	SPECIFIED		

## 2. Specification

- Accuracy (23±5°C) : 0.1% F.S. (DC, AC(TRMS), Transmitter, Pt-100)  
0.15% F.S ±(AC(TRMS))  
0.25% F.S ± 0.5°C (Thermocouple)
- Output ripple (p-p) : < 0.1% F.S.
- Temp. coefficient : 100ppm/°C (0-50°C)
- Dielectric strength : 1.5KVac/1min. (power/input/output1/output2/output3)  
1600 Vdc (input/output)
- Output drive capability : ≤10mA for voltage mode  
≤10V for current mode
- Response time : ≤250ms (0-90%)
- Operating condition : 0~55°C (humidity 20 to 95% RH non-condensed)
- Storage condition : 0~70°C (humidity 20 to 95% RH non-condensed)
- Construction : Socket type with barrier terminals

## 3. Schematic circuitry



## 4. Dimension: See Page-49 Transducer Dimension

## 5. Terminal connection

