

# PROGRAMMABLE DC TRANSMITTER



## FEATURES

- Field-rangeable. Wide switchable input ranges 10mV to 200V/200 $\mu$ A to 50mA, wide switchable output ranges over 20 standard process signals
- Accuracy 0.1% F.S.
- Input/output isolation 1.6KVdc

1. MODEL: PF - [ ] - [ ] - [ ] - [ ] - [ ] → Non-programmable

DAP	Non-Isolating (input/output)
DBP	Isolating (input/output)

NO	Input Ranges Voltage	NO	Input Ranges Current	NO	Output Ranges Voltage / Current	NO	Aux. Power
10	0 ~ 10 mV	30	0 ~ 200 $\mu$ A	A	0 ~ 0.5V	1	AC 110V (50/60Hz)
11	0 ~ 20 mV	31	0 ~ 500 $\mu$ A	B	0 ~ 1V	2	AC 220V (50/60Hz)
12	0 ~ 50 mV	32	0 ~ 1 mA	C	0 ~ 2V	3	DC 24V
13	0 ~ 100 mV	33	0 ~ 2 mA	D	0 ~ 4V	4	DC 48V
14	0 ~ 200 mV	34	0 ~ 5 mA	E	0 ~ 5V	5	DC 110V
15	0 ~ 500 mV	35	1 ~ 5 mA	F	1 ~ 5V	6	DC 220V
16	0 ~ 1 V	36	0 ~ 10 mA	G	0 ~ 8V	7	AC 90~260V
17	-1 ~ +1 V	37	2 ~ 10 mA	H	0 ~ 10V	9	SPECIFIED
18	0 ~ 2 V	38	0 ~ 20 mA	I	2 ~ 10V	<ul style="list-style-type: none"><li>• <math>\pm 20\%</math> of rate, less 2.5VA for AC input</li><li>• <math>\pm 20\%</math> of rate, less 2WATT for DC input</li><li>• Switchable 110V/220V by jump internally</li><li>• Less 2.5VA for AC switching input</li></ul>	
19	0 ~ 5 V	39	4 ~ 20 mA	J	0 ~ 1mA		
20	1 ~ 5 V	40	0 ~ 50 mA	K	0 ~ 2mA		
21	-5 ~ +5 V	41	10 ~ 50 mA	L	0 ~ 5mA		
22	0 ~ 10 V	42	20 ~ 4 mA	M	1 ~ 5mA		
23	2 ~ 10 V	43	50 ~ 10 mA	N	0 ~ 10mA		
24	-10 ~ +10 V	44	*4 ~ 20 mA	O	0 ~ 16mA		
25	0 ~ 20 V	99	SPECIFIED	P	0 ~ 20mA		
26	0 ~ 100 V	* exciting DC 24V (two wire) * 20~4mA & 50~10mA be reversed of input connection		Q	4 ~ 20mA		
27	0 ~ 200 V			R	SPECIFIED		

## 2. Specification

- Accuracy : 0.1% F.S. (23 $\pm$ 5 $^{\circ}$ C)
- Output ripple (p-p) : <0.1% F.S.
- Temp. coefficient : 100ppm/ $^{\circ}$ C (0-50 $^{\circ}$ C)
- Input resistance :  $\geq 100M\Omega$  ( $\leq 2V$  ranges)  
 $\geq 1M\Omega$  ( $> 2V$  ranges)  
 $\leq 20\Omega$  (current input)
- Maximum input :  $\geq 300V_{rms}$  ( $> 2V$  ranges)  
 $\leq 150V_{rms}$  ( $\leq 2V$  ranges)  
 $\leq 150mA$  (current input)
- Dielectric strength : 1.5KVac / 1min. (power/input / output)  
1600Vdc (input/output)
- Output drive capability :  $\leq 10mA$  for voltage mode  
 $\leq 10V$  for current mode
- Response time :  $\leq 250ms$  (0-90%)
- Operating condition : 0~55 $^{\circ}$ C (20 to 95% RH non-condensed)
- Storage condition : 0~70 $^{\circ}$ C (20 to 95% RH non-condensed)
- Construction : Socket/plug-in type with barrier terminals

## 3. Function switches (S1, S2, S3, S4)



- S1 → P<sub>1</sub>-P<sub>2</sub>-P<sub>3</sub> input range selection  
P<sub>4</sub> input offset polarity selection

