

POWER FACTOR (COS θ) TRANSDUCER



FEATURES

- Measuring & Conversion: DIN-IEC 688
- Dielectric Strength: DIN-IEC 688
- Impulse test: 2 KVac 50/60Hz/1 minute
ANSI C37.90a/1974,
IEEE 587/1983,
IEC 255-4, 5KV(1.2x50 μ s)
- Surge test (ring wave): IEC 255-4
(2.5KV-0.25ms/1 MHz)

1. MODEL: PF-PPF [Color] - [Color] [Color] [Color] [Color] / DN

NO	Input Unit (range)	NO	Voltage Rating (range)	NO	Current Rating	NO	Frequency	NO	Output Voltage	NO	Output Current	NO	Aux.Power
1	1 \emptyset 2W	1	0-120V (85-150V)	1	0-1 A (0-1.2A)	A	50 Hz	11	DC 0-1V	21	DC 0-1mA	1	AC 110/220V(50/60Hz)
3	3 \emptyset 3W	2	0-240V (180-300V)	2	0-5 A (0-6A)	B	60 Hz	12	DC 0-5V	22	DC 0-10mA	2	DC 24V
4	3 \emptyset 4W	3	0-400V (320-480V)	9	SPECIFIED	C	400 Hz	13	DC 1-5V	23	DC 0-20mA	3	DC 48V
9	SPECIFIED	9	SPECIFIED			0	SPECIFIED	14	DC 0-10V	24	DC 4-20mA	4	DC 110V
							* Frequency \pm 10%	15	DC 2-10V	29	SPECIFIED	5	DC 220V
								19	SPECIFIED			6	AC 90-260V
												9	SPECIFIED

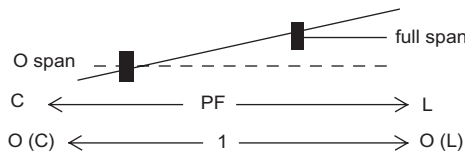
Calibration: Dn

D1: 0.5(C) to 1 vs
0 to full span output

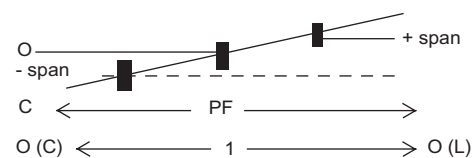
D2: 0(C) to 1 vs
0 to full span output

D3: 0.5(C) to 1 to 0.5(L) vs
0 to 1/2 span to full span output

D4: 0(C) to 1 to 0(L) vs
0 to 1/2 span to full span output



Note: (C): capacitive load (L): inductive load



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2. Specification

- Accuracy: 0.25% F.S. \pm 0.25 $^\circ$ (23 \pm 5 $^\circ$ C)
- Temp. coefficient: 100ppm/ $^\circ$ C (0-50 $^\circ$ C)
- Input burden: \leq 0.2VA (Voltage)
 \leq 0.2VA (Current)
- Maximum input over: Current related input: 3 x rated continuous,
10 x rated 30 sec, 25 x rated 3 sec,
50 x rated 1 sec
Voltage related input: maximum
2 x rated continuous
- Response time: \leq 250ms (0-90%)
- Output ripple (p-p): $<$ 0.1% F.S.
- Output drive capability: \leq 10mA for voltage mode
 \leq 10V for current mode
- Dielectric strength: 2KVac/1 min. (input/output/aux.
power/case)
- Surge test: ANSI C37.90a/1974, DIN-IEC 255-4
impulse voltage 5KV (1.2x50 μ s)
- Operating condition: 0-50 $^\circ$ C (20 to 95% RH non-condensed)
- Storage condition: 0-70 $^\circ$ C (20 to 95% RH non-condensed)
- Power supply: AC 110V/220V \pm 20% (50/60Hz) \leq 3.5VA
(Optional DC24V, DC48V, DC110V,
DC220V \pm 20%)

3. Dimension: See Page-99 Transducer Dimension

4. Terminal Connection

