

# WATT & VAR TRANSDUCER



## FEATURES

- Measuring & Conversion
- Dielectric Strength
- Impulse test
- Surge test (ring wave)

DIN-IEC 688  
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 2 KVac 50/60Hz/1 minute  
 ANSI C37.90a/1974,  
 IEEE 587/1983,  
 IEC 255-4,5 KV(1.2x50µs)  
 IEC 255-4  
 (2.5KV-0.25ms/1 MHz)

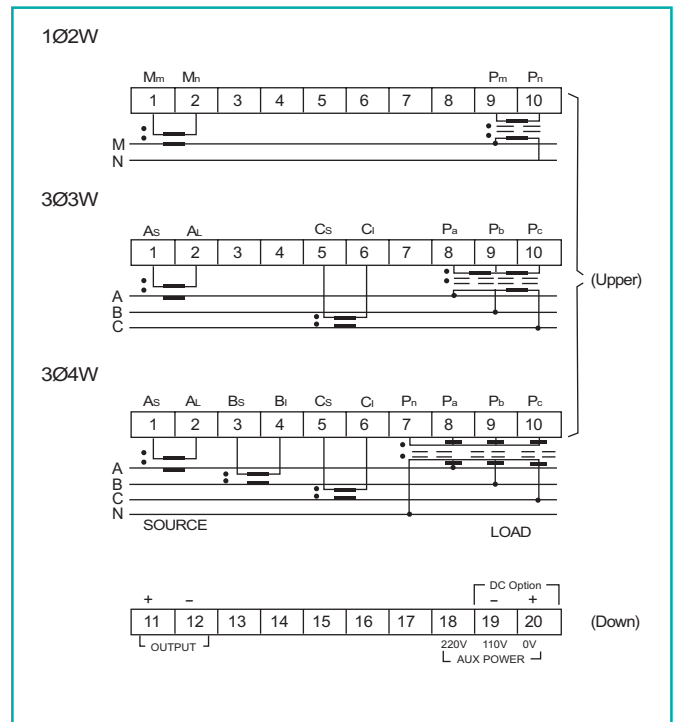
## 1. MODEL: PF-P

NO	Type	NO	Input Unit	NO	Voltage Rating (range)	NO	Current Rating (range)	NO	Frequency	NO	Output Voltage	NO	Output Current	NO	Aux.Power
W	Watt	1	1Ø2W	1	0-120V (85-150V)	1	0-1 A (0-1.2A)	A	50 Hz	11	DC 0-1 V	21	0-1mA	1	AC 110/220V(50/60Hz)
V	Var	3	3Ø3W	2	0-240V (180-300V)	2	0-5 A (0-6A)	B	60 Hz	12	DC 0-5 V	22	0-10mA	2	DC 24V
		4	3Ø4W	3	0-400V (320-480V)	9	SPECIFIED	C	400 Hz	13	DC 1-5V	23	0-20mA	3	DC 48V
		9	SPECIFIED	9	SPECIFIED			0	SPECIFIED	14	DC 0-10 V	24	4-20mA	4	DC 110V
									• Frequency±10%	15	DC 2-10 V	29	SPECIFIED	5	DC 220V
										19	SPECIFIED			6	AC 90~260V
														9	SPECIFIED

## 2. Specification

- Accuracy : 0.25% F.S. (23 ±5°C)
- Temp. coefficient : 100ppm/°C (0-50°C)
- Input burden : ≤ 0.2VA (Voltage)  
≤ 0.2VA (Current)
- Maximum input over : Current related input: 3 x rated continuous,  
10 x rated 30sec, 25 x rated 3 sec,  
50 x rated 1 sec  
Voltage related input: maximum  
2 x rated continuous
- Response time : ≤ 250ms (0-90%)
- Output ripple (p-p) : < 0.1% F.S.
- Output drive capability : ≤ 10mA for voltage mode  
≤ 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 (1.2x50µs)
- Operating condition : 0~50°C (20 to 95% RH non-condensed)
- Storage condition : 0~70°C (20 to 95% RH non-condensed)
- Power supply : AC 110V/220V ±20% (50/60Hz)≤3.5VA  
(Optional DC24V, DC48V, DC110V,  
DC220V±20%)

## 4. Terminal Connection



Model		Element connection	Standard analog calibration (Watts or Vars)					
Watts	Vars		V = 120V		V = 240V		V = 400V	
			1A	5A	1A	5A	1A	5A
PW1	PV1	1Ø2W	100	500	200	1K	400	2K
PW3	PV3	3Ø3W	200	1K	400	2K	800	4K
PW4	PV4	3Ø4W	300	1.5K	600	3K	1.2K	6K

## 3. Dimension: See Page-99 Transducer Dimension