



## Model : RPV

### Features

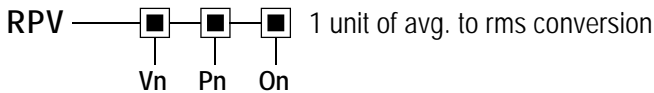
- The RP series are DIN-case electrical power transducers designed for the general industries applications
- Manufactured to strict compliance IEC 688.
- The input & output parameters are per-selected from a wide range of industries' compatible signals and other non-stated ranges are available on request or as options
- Well-proven applied circuitries fully ensuring long term stability
- DIN case in small size of space saving
- Protective touch-proof terminals and enclosure meeting requirements of VBG4 & VDE 0106 part 100 (Germany)

Compliance : IEC 688  
 Power transducers  
 Measuring & conversion  
 Dielectric Strength  
 Impulse test  
 Surge test

### New Hybrid Asic Designed Electric Transducer

- High performance & stability of less than 100 ppm drift per °C change
- High impulse & surge protection of up to 5KV (RMS) meeting IEC 255-4
- Commonly for DIN rail-mounting

## Order form



Example : RPV-V2-P1-O3

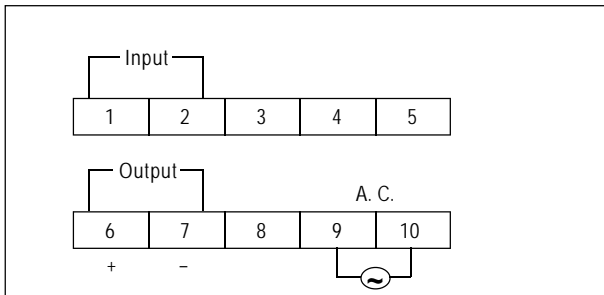
## Input & output parameters

Vn : Voltage input	Vn rating range	V1	V2	V3	On : Output		
		150 V 0~150V	300 V 0~300V	500 V 0~500V	O1 0~1 mA	O2 0~20 mA	O3 4~20 mA
Pn : Auxiliary power input	Pn rating	P1 120 V	P2 240 V		O5 0~10 mA	O6 0~1V	
					O7 0~5 V	O8 0~10 V	O9 2~10 V
					O10 1~5 V		
		Py DC powered order on request					

## Specification

Accuracy ( 23 ± 5°C)	0.2% ro (avg.), 0.4% ro (Trms)
Stability	Maximum 100ppm / °C, less 0.2% drift per year typically
Input burden	0.3VA / element typically
Frequency	50±2Hz, 60±2Hz
Maximum input over	Voltage related input : maximum 2 x rated continuous ( 150V/300V )
Output load	DC current mode : maximum 10V drop DC voltage mode : maximum 5mA drive
Response & ripple	< 400ms for step change 0-95%, ripple less 0.5% ro peak-peak
Magnetic effect	< 0.05% change 1M center 100 ampere-turn, synchronized with line frequency
Aux. power effect	< 0.005% for per voltage change
Dielectric strength	4KV AC rms 1 minute between terminals to case IEC 688 2KV AC rms 1 minute between input / output / power IEC 688
Impulse / SWC	IEC 255-4, 5KV 1.2x50us, IEC255-22-1, 2.5KV ( 1MHz / 400Hz )
Operating condition	-5 to 60°C, 20 to 99% RH non condensing
Storage condition	-20 to 70°C, 20 to 99% RH non condensing
Radio screening	RFI degree N complies with VDE 0875
Enclosure code	Case IP 50 / terminals IP 30, complies with IEC 529, BS 5490 DIN 40050
Power supply	AC 120V / 240V±15%, 50 / 60Hz < 3W

## Terminals Connection



**Note :**

1. A.C. : Auxiliary AC power
2. Terminal 9 (+), 10 (-) for DC power

## Dimension

