

## Rack-mounted Power Transducers 17-RACK

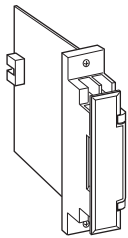
### PT TRANSMITTER

#### Functions & Features

- Converting an alternating voltage from a potential (voltage) transformer into a standard process signal
- Minimum ripple

#### Typical Applications

- Centralized monitoring and control of power line and power supply voltage measured at switch boards
- Monitoring abnormal voltage drops for detecting overload



### MODEL: 17PE-[1]6-R

### ORDERING INFORMATION

- Code number: 17PE-[1]6-R
- Specify a code from below for [1].  
(e.g. 17PE-56-R)

### [1] INPUT

Voltage

- 1: 0 - 110 V AC
- 2: 0 - 220 V AC
- 5: 0 - 150 V AC
- 6: 0 - 300 V AC

### OUTPUT

Voltage

- 6: 1 - 5 V DC (Load resistance 2000 Ω min.)

### AUXILIARY POWER SUPPLY

DC Power

R: 24 V DC

(Operational voltage range 24 V ±10 %, ripple 10 %p-p max.)

### GENERAL SPECIFICATIONS

**Construction:** Rack-mounted; terminal access via screw terminals on the front and connector on the rear; terminal cover provided

#### Connection

**Input:** M3.5 screw terminals (torque 0.8 N·m)

**Output:** Connector

**Auxiliary power:** Supplied from connector

**Screw terminal:** Nickel-plated steel

**Isolation:** Input to output to auxiliary power

**Input waveform:** Up to 15 % of 3rd harmonic content

**Overrange output:** 0 to 120 %

**Zero adjustment:** -5 to +5 % (front)

**Span adjustment:** 95 to 105 % (front)

### INPUT SPECIFICATIONS

**Frequency:** 50 or 60 Hz

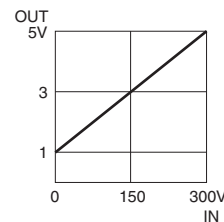
**Input burden:** 0.5 VA

**Overload capacity:** 200 % of rating for 10 sec., 120 % continuous

**Operational range:** 0 - 120 % of rating

### OUTPUT SPECIFICATIONS

- Operation Diagram (example)



### INSTALLATION

**Auxiliary power supply**

**Current consumption:** Approx. 35 mA

**Operating temperature:** -5 to +55°C (23 to 131°F)

**Operating humidity:** 40 to 85 % RH (non-condensing)

**Mounting:** Standard Rack 17BXE

**Weight:** 150 g (0.33 lb)

### PERFORMANCE in percentage of span

**Accuracy:** ±0.4 % (at 23°C ±10°C or 73.4°F ±18°F, 45 - 65 Hz)

**Response time:** ≤ 1 sec. (0 - 100 % ±1 %)

**Ripple:** 1 %p-p max.

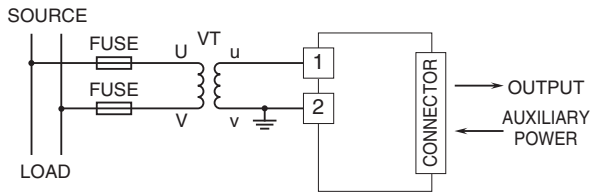
**Line voltage effect:** ±0.1 % over voltage range

**Insulation resistance:** ≥ 100 MΩ with 500 V DC

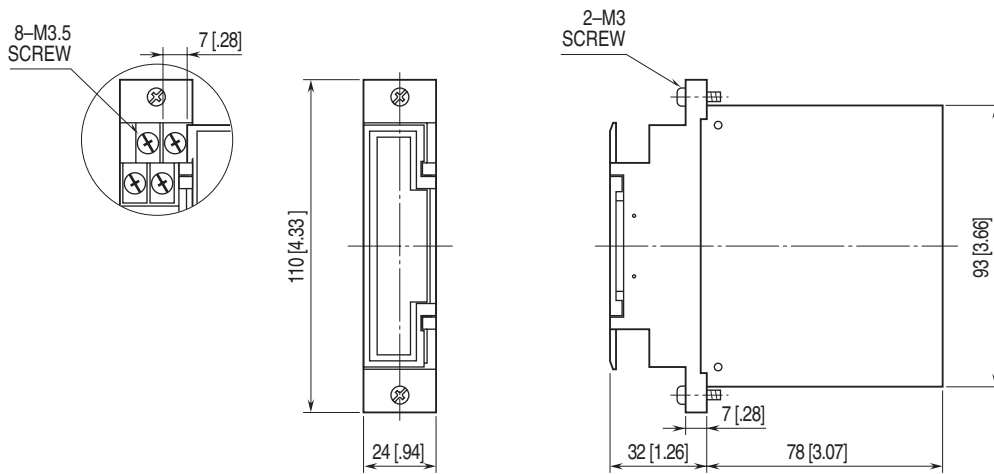
**Dielectric strength:** 500 V AC @ 1 minute (output to auxiliary power)

1500 V AC @ 1 minute (input to output or auxiliary power to ground)

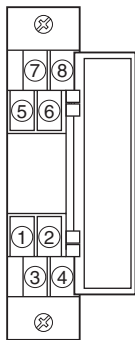
## CONNECTION DIAGRAM



## DIMENSIONS unit: mm (inch)



## TERMINAL ASSIGNMENTS



Specifications are subject to change without notice.