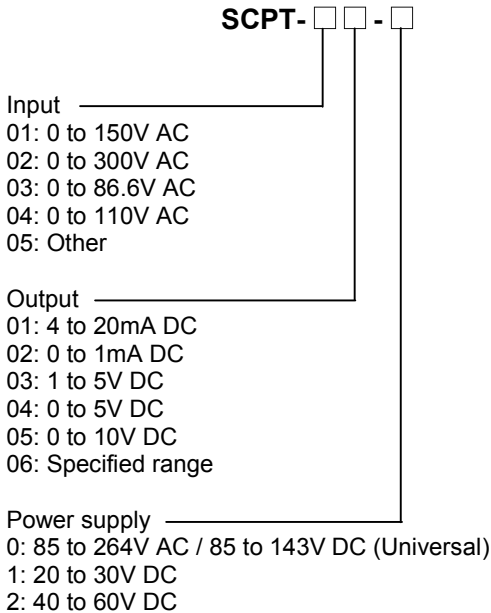


## AC Voltage Transducer

Model: **SCPT**

### Model



### How to order

Specify a model.  
(e.g.) SCPT-0101-0

### Input specifications

Frequency: 50/60Hz  
Continuous load: 1.2 times rated input voltage  
Momentary overload: 2 times (for 10 sec) rated input voltage

### Output specifications

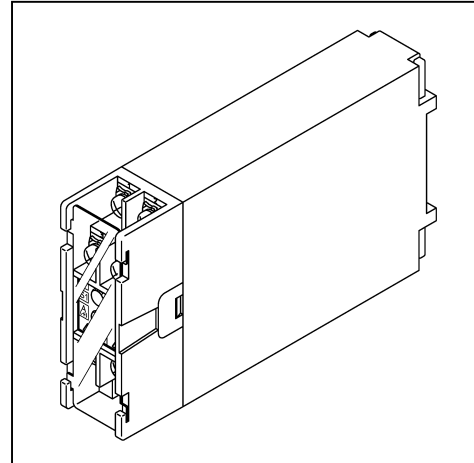
#### DC current

Output range	Allowable load resistance
4 to 20mA DC	600Ω or less
0 to 1mA DC	10kΩ or less

#### DC voltage

Output range	Allowable load resistance
1 to 5V DC	1kΩ or more
0 to 5V DC	
0 to 10V DC	

Adjustment range: Approx. ±3 to 5%



### Performance

Action method: RMS computation  
Conversion accuracy: ±0.5% (to the output span)  
At ambient temperature: 23±2°C,  
ambient humidity: 45 to 70%RH  
Output ripple: 1%p-p (to the output span)  
Response time: Within 0.5 sec (90% of step input response)  
Linearity: ±0.5% (to the output span)  
Effect of self heating: ±0.5% (to the output span)  
Effect of temperature: ±0.5% (to the output span)  
At 23±20°C of ambient temperature  
Effect of external magnetic field: ±0.5% (to the output span)  
At 400A/m of external magnetic field  
Effect of supply voltage: ±0.25% (to the output span)  
At ±10% of supply voltage  
Effect of frequency: ±0.25% (to the output span)  
At ±5% of rated frequency  
Effect of output load: ±0.25% (to the output span)  
Within a range of allowable load resistance  
Effect of wave form: ±0.5% (to the output span)  
The input from the third harmonic wave (20% of fundamental wave) plus the fundamental wave  
Insulation resistance: 50MΩ or more, at 500V DC  
Between Electric circuit - Ground terminal  
Between Input terminal - Output terminal  
Between Power terminal - I/O terminals  
Between Output circuit - Ground terminal  
Dielectric strength: 2kV AC for 1minute  
Between Electric circuit - Ground terminal  
Between Input terminal - Output terminal  
Between Power terminal - I/O terminals  
Between Output circuit - Ground terminal

### General structure

Case : Flame resistant resin Color: Black  
Terminal block : Flame resistant resin Color: Black  
Terminal cover : Transparent polycarbonate

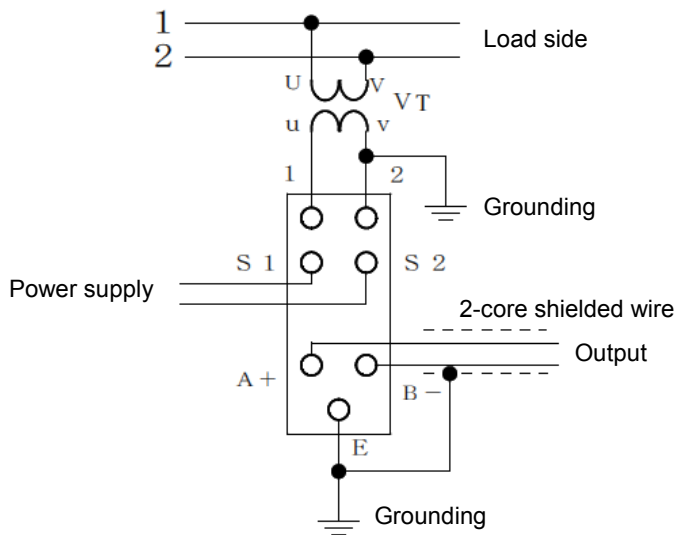
**■ Installation specifications**

Power consumption  
 Measurement side : 0.3VA or less  
 Power supply side : 2VA or less (for 85 to 264V AC / 85 to 143V DC)  
 Power supply side : 2W or less (for 24/48V DC spec)  
 Ambient temperature: -10 to 55°C  
 Ambient humidity : 30 to 85%RH (non-condensing)  
 Weight : Approx. 200g  
 Mounting : DIN rail mounting  
 External dimensions : 25 (W) x 100 (H) x 128 (D)mm

**■ Accessories**

Instruction manual : 1 copy  
 Terminal cover : 1 piece

**■ Terminal connection**



**■ External dimensions (Scale: mm)**

