POWER TRANSDUCER

3 PHASE AMPERE TRANSDUCER

MODEL & SUFFIX CODE SELECTION

MODEL **SW-3A** □ □ □

■ INPUT

1	AC 0 _ 1A
2	AC 0 _ 5A
O	Specify order

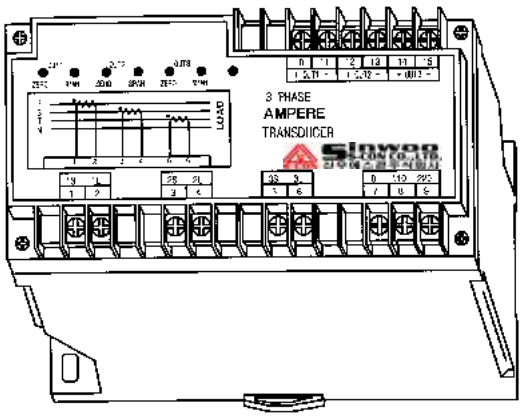
■ OUTPUT

A	DC 4-20mA
B	DC 0-1mA
C	DC 0-10mA
D	DC 0-20mA
E	DC 1-5mA
O	Specify order

1	DC 1-5V
2	DC 0-10V
3	DC 0-1V
4	DC 2-10V
5	DC 0-100mV

■ MODE

A	Average
R	R.M.S



The CT transducer Model SW-3A converts alternating Current form a CT into a DC output .
The input is sensed in R.M.S
* No load adjustments required

ORDERING INFORMATION

Specify code number and variables
* Code number : SW-3A-input/output/mode
ex : SW-3A-2AR

* special output range :
A = -10~20mA
V = -10~12V

GENERAL SPECIFICATIONS

Construction : DIN housings Terminal access on front face
Housing materiel : plastic(black)
Wiring : 3.0M screw terminals
Isolation : AC input/DC output/power
Adjustments : zero and span ±5%
Over-range output = 0-120%

PERFORMANCE

Accuracy : 0.1% or 0.25%
Temp.coefficient : 0.03%/C
Insulation resistance : 100Mohm or more with 500V DC
Response time : 0.2seconds or less(0-90%)
Line Voltage effect : 0.1% with 10% change
Ripple : 0.25% p-p max. (100/120Hz)
Dielectric strength : 2000V AC 1minute
input/output/power
Surge withstand Voltage : 1.2/50μsec, ±5KV
(INPUT to OUTPUT to GROUND)

INSTALLATION

Operating temperature : -5 to +55C
Operating humidity : 20-80%RH(non-condensing)
Mounting : Wall or DIN rail
Power supply : AC 110V or 220V (-15/+10%)
50/60Hz,2VA
Size : 75(w) * 150(h) * 113(d)
Weight :

INPUT & OUTPUT

■ INPUT
input : 0~1A AC or 0~5A AC 3PHASE 3CT
Operational range : 0~120%
Permissible over range : 1000% for 5 seconds
200% for 20 seconds
120% continuously
Frequency : 50/60Hz
Input loss : 0.5VA or less

■ OUTPUT
DC Current : 0-20mA DC
Minimum span : 1mA
zero bias : max. 1.5 Times of span
LOAD resistance

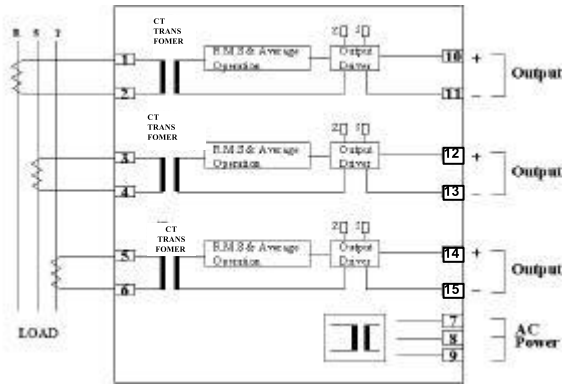
OUTPUT	LOAD RESISTANCE	IMPEDANCE
4-20mA	0-600ohm	5Mohm or more
0-20mA	0-600ohm	
0-16mA	0-750ohm	
0-10mA	0-1200ohm	
0-1mA	0-12kohm	
0-5mA	0-2400ohm	

DC Voltage : 0-12V DC
Minimum span : 5mV
zero bias : max. 1.5 Times of span
LOAD resistance

OUTPUT	LOAD RESISTANCE	IMPEDANCE
0-10mV	10kohm or more	10ohm
0-100mV	100kohm or more	100ohm
0-1V	1kohm or more	1ohm or less
0-10V	10kohm or more	
0-5V 1-5V	5kohm or more	

* for other ranges within 0-12V, use equation
R = E/I where : R = load resistance (ohm)
E = full-scale output (V)
I = 1 mA

CONNECTION DIAGRAM



DEMENSION & INSTRUCTIONS