Power Transducers

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Transducers are important elements of the SCADA Systems which convert AC Power Signals to a proportional DC Signal which is then used for feedback control.

SCADA refers to the centralized systems which control and monitor the entire sites, or they are the complexes of the systems which are spread out over large areas (between an industrial plant and country). Mostly all the control actions are automatically performed by the remote terminal units (RTUs) or by the programmable logic controllers (PLCs). The restrictions to the host control functions are supervisory level intervention or basic overriding. For example, the PLC in an industrial process controls the flow of cooling water, the SCADA system allows the operators for enabling the alarm conditions and for changing the set points for the flow, such as high temperature, loss of flow, to be recorded and displayed. The SCADA system keeps a tab on the total performance of the loop while the feedback control loop which passes from the PLC or the RTU.

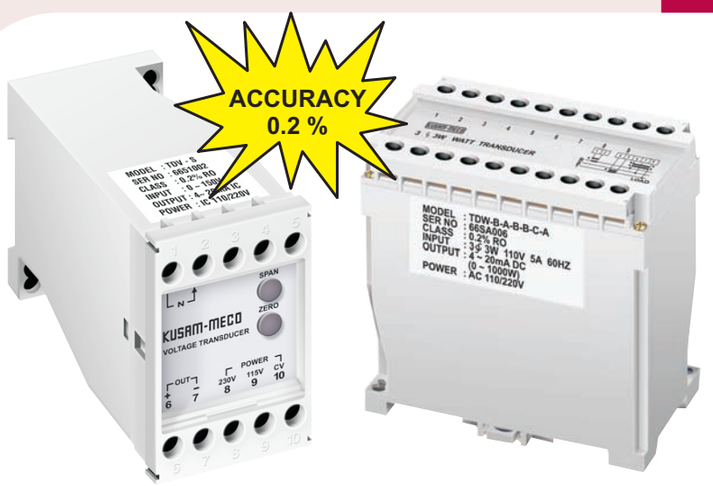
KUSAM-MECO®

POWER TRANSDUCERS

"KUSAM-MECO" transducers are used for accurate measurement of electrical parameters, remote monitoring & automation, suitable for sinusoidal & true RMS inputs, with high accuracy (0.2%) separate AC or DC auxiliary supply or built in (self powered), suitable for single phase as well as 3 phase balanced or unbalanced load. Precision measurement even for distorted wave etc. The types of Transducer available are AC Current Transducer, AC Voltage Transducer, WATT or VAR Transducer, combined WATT & VAR Transducer, WATT HOUR or VAR HOUR Transducer, combined WATT & WATT HOUR or VAR & VAR HOUR Transducer & POWER FACTOR Transducers. All the transducers have high dielectric strength 2.6 KV AC / Min, between Input / Output / power case, high impulse & surge protection, ABS plastic case & DIN Rail or Wall mounting.

FEATURES :

- **Confirming to IEC-688.**
- **High Accuracy 0.2% RO at 23°C± 5°C. On request 0.5% available.**
- **Aux. Power 110/220V AC; Self Powered / DC 240 / 110 / 125 / 85 ~ 265V available.**
- **High Dielectric Strength 2.6KVAC / Min, Between Input / Output / Power Case**
- **ABS Plastic Self - Extinguishing Case, DIN Rail or Wall Mounting**
- **High Impulse withstand voltage**

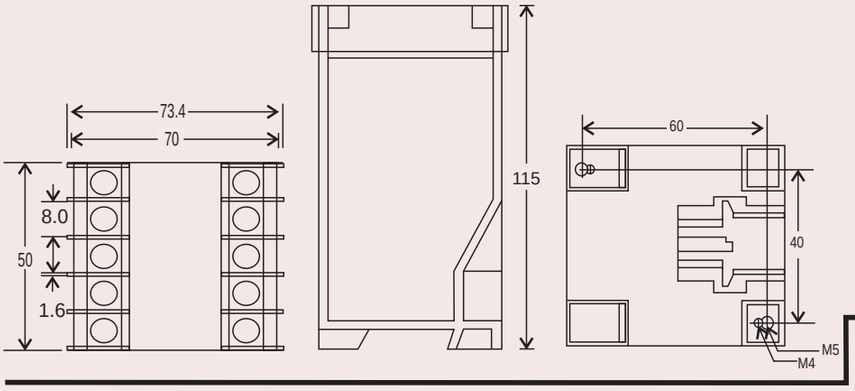


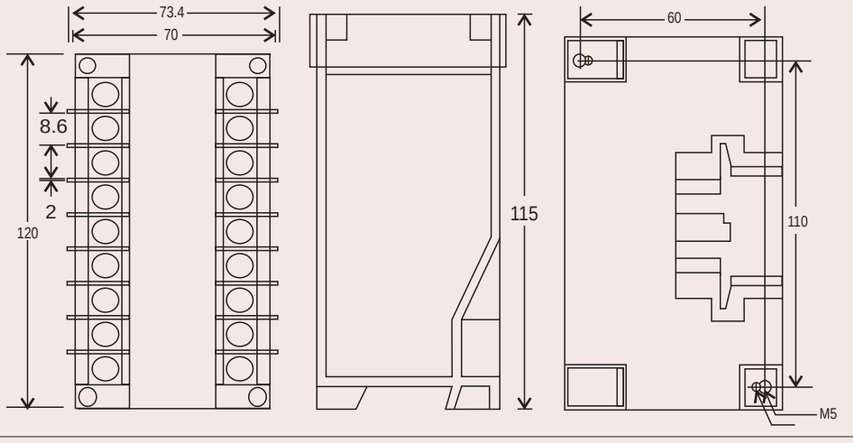
GENERAL SPECIFICATION FOR ALL TRANSDUCERS

Accuracy	"D" Series 0.2% RO at 23°C ± 5°C (Self-Power Mode 0.25% RO at 23°C ± 5°C) "S" Series 0.5% RO at 23°C ± 5°C (Self-Power Mode 0.6% RO at 23°C ± 5°C)
Input Burden	0.3VA / 50Hz, Self-Power Mode 3VA / 50Hz for AC Current Transducer & 0.1VA/ 50Hz at 150V AC; Self Power Mode 2VA at 150V AC for Other Types Of Transducers.
Frequency	45 ~ 70Hz.
Output Load	DC Current Mode : 10V DC Maximum, DC Voltage Mode : 10mA DC Maximum.
Output Protection	Without Damage for Output Open or Short Circuit.
Dielectric Strength	2.6KV AC / 1 Min, between Input / Power / Case.
Impulse	5KV (1.2X50 S), ANSI C37. 90a / 1983. DIN, IEC 255 - 4, IEC 688-1992 2.5KV - 0.25mS / 1MHz IEC 801-3 (Ring WAVE).
Common Mode Rejection	> 120db, 50 / 60Hz.
Stability	< 0.2% / Year.
Calibration	SPAN and ZERO ± 10%.
Response Time & Ripple(p-p)	400mS. 0 ~ 99%; 0.5% P-P (STD)
Magnetic Effect	DIN - IEE 688 0.005% Change 10" Center 100A- Turn.
Temperature Coefficient	100ppm / °C from 0 ~ 60°C; 50ppm / 23°C ± 3°C
Operating Condition	-10°C ~ + 65°C, 20 ~ 95% RH Non - Condensed.
Storage Condition	-40°C ~ + 75°C, 20 ~ 95% RH Non - Condensed.
Power Supply	AC or DC ±20%, 50 / 60Hz 1 3VA / AC : 3 3VA / AC.
Aux. Power Effect	< 0.01% / V.
Housing Material	ABS Plastic, Self-Extinguishing to UL Subject 94 Class V-O. Case IP 50 Snap Mounting on DIN EN 50022-35 or Surface Mounting. Compliance with IEC 529, BS 5490, Din 40054. Protection Touch-Proof Terminals and Enclosure Meeting Requirements of VBG 4 & VDE 0106 oart 100(Germany).
Mounting	DIN Rail or Wall Mounting.
Size	1 [50W X 115H X 73.4L mm] ; 3 [120W X 115H X 73.4L mm]. For Voltage & Current Transducers And [120W X 115H X 73.4L mm] for other types of Transducers
*Self-Power Mode	Effective Range 5 ~ 150%, Output 0~XmA DC for AC Current Transducer Effective Range 85 ~ 150V,

All specifications are subject to change without prior notice.

Outline Dimension : (Unit : mm)





☞ 1 AC Voltage Transducer

Model - TDV, TSV

☞ 1 AC Current Transducer

Model - TDA, TSA

FOR MODELS :

☞ 3 AC Voltage Transducer with 2 & 3 outputs
Model- TDV, TDV3, TSV, TSV3

☞ 3 AC Current Transducer with 2 & 3 outputs
Model- TDA, TDA3, TSA, TSA3

☞ Watt or Var Transducer
Model- TDW, TDQ2, TSW, TSQ2

☞ Watt / Var Transducer
Model- TDWQ, TDWQ2, TSWQ, TSWQ2

☞ Watthour or Varhour Transducer
Model- TDWH, TDQH2, TSWH, TSQH2

☞ Watt / Watthour or Var / Varhour Transducer
Model- TDWWH, TDQQH2, TSWWH, TSQQH2

☞ Power Factor Transducer
Model- TDPF, TSPF

☞ Power Frequency Transducer
Model- TDF, TSF

☞ Multifunction Power Transducer
Model- TRMT

MULTIFUNCTION POWER TRANSDUCER

SAVES COST + SPACE

Model - TRMT

"KUSAM-MECO" Model TRMT is a complete Single or 3 phase Multifunction Transducer packaged in a standard 120mm DIN enclosure. It can be programmed by the user. The CT / PT ratio is programmable. It has RS485 modbus output signal.
It offers a cost effective solution because it replaces 10 or more conventional single function transducer. It computes all major power measurement along with many key AC measurement parameters. All measurement calculations are performed simultaneously inside one DIN rail package and transmitted via RS485. It is a key element in SCADA system.

FEATURES :

- ☞**Meets to DIN-IEC 688.** ☞**Easy Installation & Space saving.**
- ☞**Simultaneous detect & display :**
  - ☞Individual Phase to neutral Voltage ☞Frequency
  - ☞Individual Phase Current ☞Individual Phase watt.
  - ☞Phase to Phase Voltages.
  - ☞Power Factor ☞Total Watt ☞Total Var
  - ☞Watt Hour (10 digit) ☞Var Hour (10 digit)
- ☞**CT Ratio & PT Ratio-user settable on instrument by front panel keys.**
- ☞**Auto / Manual scrolling Display**
- ☞**RS485 output**
- ☞**Circuit selection of 1 2W, 1 3W, 3 3W, 3 4W - user settable on instrument by front panel keys.**
- ☞**Analog outputs available (Optional)**
- ☞**Digital outputs available for kWH & KVARH (Optional)**
- ☞**High Brightness LED Display.**
- ☞**High Dielectric Strength: AC 2KV/min, etween Input / Output / Power / Case.**
- ☞**Baud Rate:1200, 2400,4800,9600,19200,38400 user selectable.**
- ☞**Upto 255 units can be connected on single RS-485 Cable.**
- ☞**Can be in corporated in any SCADA / DCS system for monitoring of Power Parameters**
- ☞**ABS plastic fire retardant case, DIN Rail & Wall Mounting.**

SPECIFICATIONS :

☞**Accuracy :**
Voltage, Current : ± 0.2% F.S. **Hz :** ± 0.02Hz **W, Var, WH, VarH, PF :** ± 0.5% F.S.

☞**Display Range :**
0.36" High Brightness LED Display.
3V, 3A, W, Var, PF, Hz : 0 ~ 9999 +WH / +VarH(10 digit): 0 ~ 1999999999.

MODEL : TRMT □ □ □ □ □ □

I/P Voltage		I/P Current		Frequency		Output Signal		Aux. Power	
A	55 ~ 440V (L-N)	A	1 A	A	50 Hz	A	RS 485 MODBUS	A	AC 110 V
B	55~600V (L-N)	B	5 A	B	60Hz	B	RS 485 MODBUS (2 Units)	B	AC 220 V
						C	RS 485 MODBUS (2 units) & DI Outputs (2 Units)	C	DC 22~72 V
								F	AC / DC 85~265V (AC & DC share)
Y	OTHER	Y	OTHER			Y	OTHER	Y	OTHER

All specifications are subject to change without prior notice.

AC VOLTAGE TRANSDUCER MODEL - TDV, TSV

SPECIFICATIONS :

1. Input Range : Normal Voltage 110V, Effective 50 ~ 150V AC.

2. Input Over : Normal AC 110V, Voltage Over 500V Continuous.
Self Power Mode 150V AC Maximum.

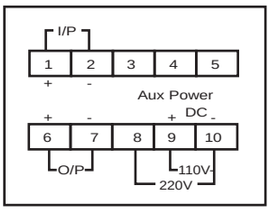
Also Available :
- ☞ AC Voltage Transducer with Single Input Dual Isolated Output.
- ☞ AC Voltage Transducer with Single Input Three Isolated Output.

MODELS : CLASS		
0.2%	0.5%	
TDV	TSV	— □ — □ — □ 1 Phase avg. to rms conversion
TDV3	TSV3	— □ — □ — □ 3 Phase avg. to rms conversion
TDVR	TSVR	— □ — □ — □ 1 Phase True RMS conversion
TDVR3	TSVR3	— □ — □ — □ 3 Phase True RMS conversion

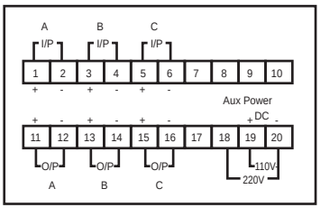
Input Voltage		Output		Aux. Power	
A	0 ~ 150V AC	A	0 ~ 10mA DC	A	AC 110/220V
B	0 ~ 300V AC	B	0 ~ 20mA DC		(Dual Power)
C	0 ~ 600V AC	C	4 ~ 20mA DC	C	DC 24V
Y	Other	D	0 ~ 5V DC	D	DC 110V
		E	1 ~ 5V DC	E	DC 125V
		F	0 ~ 10V DC	N	* Self-Power Mode
		Y	Other	Y	Other

TERMINAL CONNECTION :

Model : TDV, TDVR
TSV, TSVR



Model : TDV3, TDVR3
TSV3,TSVR3



AC CURRENT TRANSDUCER MODEL - TDA, TSA

SPECIFICATIONS :

1. Input Over : Normal AC 5A, Current Over 15A Continuous;
50A 10 Sec/Hour; 400A 0.5 Sec/Hour.

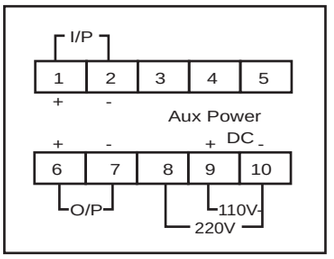
Also Available :
- ☞ AC Current Transducer with Single Input Dual Isolated Output.
- ☞ AC Current Transducer with Single Input Three Isolated Output.

MODELS : CLASS		
0.2%	0.5%	
TDA	TSA	— □ — □ — □ 1 Phase avg. to rms conversion
TDA3	TSA3	— □ — □ — □ 3 Phase avg. to rms conversion
TDAR	TSAR	— □ — □ — □ 1 Phase True RMS conversion
TDAR3	TSAR3	— □ — □ — □ 3 Phase True RMS conversion

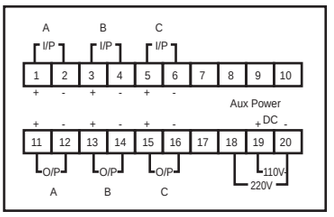
Input Current		Output		Aux. Power	
A	0 ~ 1A AC	A	0 ~ 10mA DC	A	AC 110/220V
		B	0 ~ 20mA DC		(Dual Power)
B	0 ~ 5A AC	C	4 ~ 20mA DC	C	DC 24V
		D	0 ~ 5V DC	D	DC 110V
C	0 ~ 10A AC	E	1 ~ 5V DC	E	DC 125V
		F	0 ~ 10V DC	N	* Self-Power Mode
Y	Other	Y	Other	Y	Other

TERMINAL CONNECTION :

Model : TDA, TDAR
TSA, TSAR



Model : TDA3, TDAR3
TSA3, TSAR3



All specifications are subject to change without prior notice.

WATT OR VAR TRANSDUCER

MODEL - TDW - WATT TRANSDUCER
TDQ - VAR TRANSDUCER

SPECIFICATIONS :

1. Input Range : Normal Voltage 110V, Effective Range 50 ~ 150V AC.
   Normal Voltage 220V, Effective Range 160 ~ 300V.
   Normal Current 5A, Effective Range 0 ~ 7.5A
   Normal Current 1A, Effective Range 0 ~ 1.5A
2. Input Over : Normal AC 110V, Voltage Over 500V Continuous.
   Self Power Mode 150V AC Maximum.
   Normal AC 5A, Current Over 15A Continuous;
   50A 10 Sec / Hour; 400A 0.5 Sec / Hour.
3. Uni-Direction and Bi-Direction for Watt, Bi-direction for Var only.

Also Available : ☞ WATT or VAR Transducer with Single Input Dual Isolated Output.

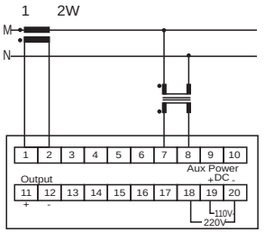
MODELS : CLASS		
0.2%	**0.5%**	
TDW	TSW	— — — — — — Watt Uni-Direction*
TDW2	TSW2	— — — — — — Watt Bi-Direction*
TDQ2	TSQ2	— — — — — — Var Bi-Direction*

Circuit		I/P Voltage		I/P Current		Frequency		Output		Aux. Power	
A	1 2 W	A	110V	A	1A	A	50Hz	A	0~10mA DC	A	AC 110/220V
								B	0~20mA DC		(Dual Power)
B	3 3 W	B	220V	B	5A	B	60Hz	C	4~20mA DC	C	DC 24V
								D	0~5V DC	D	DC 110V
C	3 4 W							E	1~5V DC	E	DC 125V
								F	0~10V DC	N	* Self-Power Mode
Y	Other	Y	Other	Y	Other	Y	Other	Y	Other	Y	Other

TERMINAL CONNECTION :

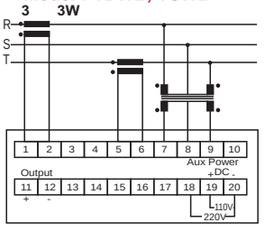
Model : TDWA, TSWA

1 2W



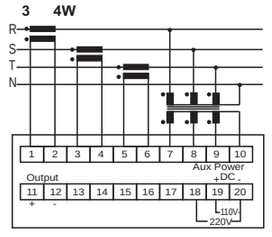
Model : TDWB, TSWB

3 3W



Model : TDWC, TSWC

3 4W



WATT / VAR TRANSDUCER

MODEL - TDWQ, TSWQ - WATT / VAR TRANSDUCER
TDWQ2, TSWQ2 - WATT / VAR TRANSDUCER

SPECIFICATIONS :

1. Input Range : Normal Voltage 110V, Effective Range 50 ~ 150V AC.
   Normal Voltage 220V, Effective Range 160 ~ 300V.
   Normal Current 5A, Effective Range 0 ~ 7.5A
   Normal Current 1A, Effective Range 0 ~ 1.5A
2. Input Over : Normal AC 110V, Voltage Over 500V Continuous.
   Self Power Mode 150V AC Maximum.
   Normal AC 5A, Current Over 15A Continuous;
   50A 10 Sec / Hour; 400A 0.5 Sec / Hour.
3. Uni-Direction and Bi-Direction for Watt, Bi-direction for Var only.

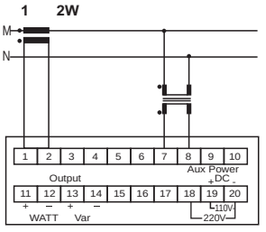
MODELS : CLASS		
0.2%	**0.5%**	
TDWQ	TSWQ	— — — — — — Watt & Var Uni-Direction*
TDWQ2	TSWQ2	— — — — — — Watt & Var Bi-Direction*

Circuit		I/P Voltage		I/P Current		Frequency		Output		Aux. Power	
A	1 2 W	A	110V	A	1A	A	50Hz	A	0~10mA DC	A	AC 110/220V
								B	0~20mA DC		(Dual Power)
B	3 3 W	B	220V	B	5A	B	60Hz	C	4~20mA DC	C	DC 24V
								D	0~5V DC	D	DC 110V
C	3 4 W							E	1~5V DC	E	DC 125V
								F	0~10V DC	N	* Self-Power Mode
Y	Other	Y	Other	Y	Other			Y	Other	Y	Other

TERMINAL CONNECTION :

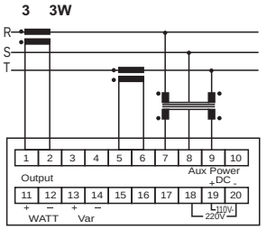
Model : TDWQ-A, TSWQ-A

1 2W



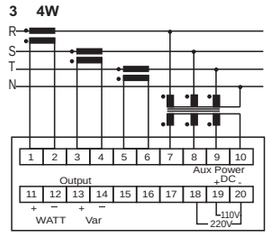
Model : TDWQ-B, TSWQ-B

3 3W



Model : TDWQ-C, TSWQ-C

3 4W



WATTHOUR OR VARHOUR TRANSDUCER

MODEL - TDWH, TDWH2, TSWH, TSWH2 - WATTHOUR TRANSDUCER
TDQH2, TSQH2 - VARHOUR TRANSDUCER

SPECIFICATIONS :

1. Input Range : Normal Voltage 110V, Effective Range 50 ~ 150V AC.
   Normal Voltage 220V, Effective Range 160 ~ 300V.
   Normal Current 5A, Effective Range 0 ~ 7.5A
   Normal Current 1A, Effective Range 0 ~ 1.5A
2. Input Over : Normal AC 110V, Voltage Over 500V Continuous.
   Self Power Mode 150V AC Maximum.
   Normal AC 5A, Current Over 15A Continuous;
   50A 10 Sec / Hour; 400A 0.5 Sec / Hour.
3. Output of WH & VarH : Open Collect Type, Effective Range 5~30V DC, 5~100mA;Option Dry Contact.
4. Uni-Direction and Bi-Direction for Watthour, Bi-direction for Varhour only.

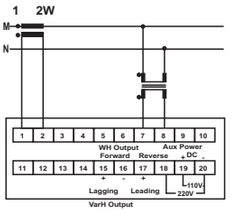
MODELS : CLASS		
0.2%	0.5%	
TDWH	TSWH	— □ — □ — □ — □ — □ — □ Watthour Uni-Direction*
TDWH2	TSWH2	— □ — □ — □ — □ — □ — □ Watthour Bi-Direction*
TDQH2	TSQH2	— □ — □ — □ — □ — □ — □ Varhour Bi-Direction*

Circuit		I/P Voltage		I/P Current		Frequency		Output		Aux. Power	
A	1 2 W	A	110V	A	1A	A	50Hz	A	WH/1 PULSE QH/1 PULSE	A	AC 110/220V (Dual Power)
B	3 3 W	B	220V	B	5A	B	60Hz	B	WH/10 PULSE QH/10 PULSE	C	DC 24V
C	3 4 W									D	DC 110V
										E	DC 125V
Y	Other	Y	Other	Y	Other			Y	Other	N	* Self-Power Mode
										Y	Other

TERMINAL CONNECTION :

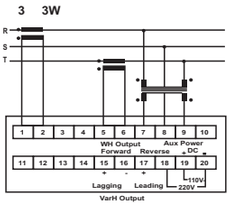
Model : TDWH-A, TSWH-A

1 2W



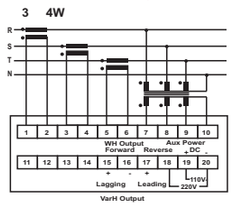
Model : TDWH-B, TSWH-B

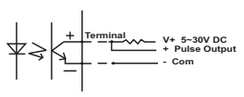
3 3W



Model : TDWH-C, TSWH-C

3 4W





WATT/WATTHOUR OR VAR/VARHOUR TRANSDUCER

MODEL - TDWWH, TDWWH2, TSWWH, TSWWH2 - WATT / WATTHOUR TRANSDUCER
TDQQH2, TSQQH2 - VAR / VARHOUR TRANSDUCER

SPECIFICATIONS :

1. Input Range : Normal Voltage 110V, Effective Range 50 ~ 150V AC.
   Normal Voltage 220V, Effective Range 160 ~ 300V.
   Normal Current 5A, Effective Range 0 ~ 7.5A
   Normal Current 1A, Effective Range 0 ~ 1.5A
2. Input Over : Normal AC 110V, Voltage Over 500V Continuous.
   Self Power Mode 150V AC Maximum.
   Normal AC 5A, Current Over 15A Continuous;
   50A 10 Sec / Hour; 400A 0.5 Sec / Hour.
3. Output of WH & VarH : Open Collect Type, Effective Range 5~30V DC, 5~100mA.
4. Uni-Direction and Bi-Direction for Watt/Watthour, Bi-direction for Var Varhour only.

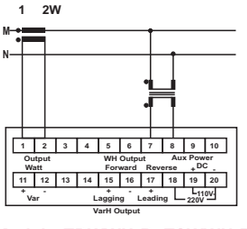
MODELS : CLASS		
0.2%	0.5%	
TDWWH	TSWWH	— □ — □ — □ — □ — □ — □ — □ Watt/Watthour Uni-Direction*
TDWWH2	TSWWH2	— □ — □ — □ — □ — □ — □ — □ Watt/Watthour Bi-Direction*
TDQQH2	TSQQH2	— □ — □ — □ — □ — □ — □ — □ Var/Varhour Bi-Direction*

Circuit		I/P Voltage		I/P Current		Frequency		W(VAR)O/P		WH(VARH)O/P		Aux. Power	
A	1 2 W	A	110V	A	1A	A	50Hz	A	0~10mA	A	WH / 1 PULSE	A	AC 110/220V
								B	0~20mA		QH / 1 PULSE		(Dual Power)
B	3 3 W	B	220V	B	5A	B	60Hz	C	4~20mA			C	DC 24V
								D	0~5V	B	WH / 10 PULSE	D	DC 110V
C	3 4 W							E	1~5V		QH / 10 PULSE	E	DC 125V
								N	0~10V			N	* Self-Power Mode
Y	Other	Y	Other	Y	Other			Y	Other	Y	Other		

TERMINAL CONNECTION :

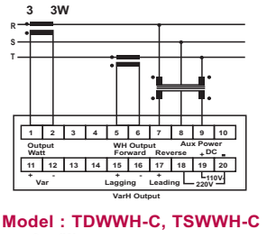
Model : TDWWH-A, TSWWH-A

1 2W



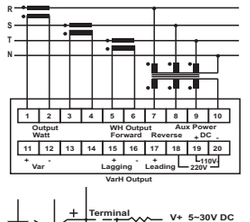
Model : TDWWH-B, TSWWH-B

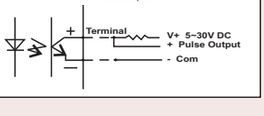
3 3W



Model : TDWWH-C, TSWWH-C

3 4W





All specifications are subject to change without prior notice.

POWER FACTOR TRANSDUCER MODEL - TDPF, TSPF

SPECIFICATIONS :

1. Input Range : Normal Voltage 110V, Effective Range 50 ~ 150V AC.
   Normal Voltage 220V, Effective Range 160 ~ 300V.
   Normal Current 5A, Effective Range 0 ~ 7.5A
   Normal Current 1A, Effective Range 0 ~ 1.5A
2. Input Over : Normal AC 110V, Voltage Over 500V Continuous.
   Self Power Mode 150V AC Maximum.
   Normal AC 5A, Current Over 15A Continuous;
   50A 10 Sec / Hour; 400A 0.5 Sec / Hour.
3. Bi-Direction for Power Factor.
   Example : O/P 4~20mA VS -0.5(C)~1~+0.5(L).

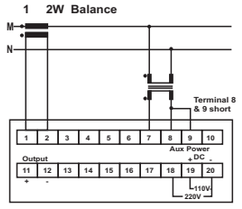
MODELS : CLASS

0.2%	0.5%	
TDPF	TSPF	— □ — □ — □ — □ — □ — □ Power Factor Bi-Direction*

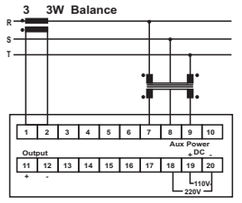
Circuit		I/P Voltage		I/P Current		Frequency		Output		Aux. Power	
A	1 2 W	A	110V	A	1A	A	50Hz	A	0~10mA DC	A	AC 110/220V
								B	0~20mA DC		(Dual Power)
B	3 3 W	B	220V	B	5A	B	60Hz	C	4~20mA DC	C	DC 24V
								D	0~5V DC	D	DC 110V
C	3 4 W							E	1~5V DC	E	DC 125V
								F	0~10V DC	N	* Self-Power Mode
Y	Other	Y	Other	Y	Other			Y	Other	Y	Other

TERMINAL CONNECTION :

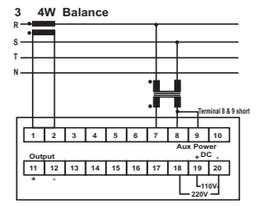
Model : TDPF-A, TSPF-A



Model : TDPF-B, TSPF-B



Model : TDPF-C, TSPF-C



POWER FREQUENCY TRANSDUCER MODEL - TDF, TSF

SPECIFICATIONS :

1. Input Range : Normal Voltage 110V, Effective Range 50 ~ 300V AC.
2. Input Over : Normal AC 110V, Voltage Over 600V Continuous.

MODELS : CLASS

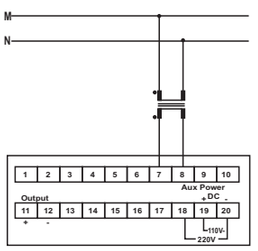
0.2%	0.5%	
TDF	TSF	— □ — □ — □ — □

Input Frequency		Input Range		Output		Aux. Power	
A	50Hz	A	±1Hz	A	0~10mA DC	A	AC 110/220V
		B	±2Hz	B	0~20mA DC		(Dual Power)
B	60Hz	C	±3Hz	C	4~20mA DC	C	DC 24V
		D	±5Hz	D	0~5V DC	D	DC 110V
		E	±10Hz	E	1~5V DC	E	DC 125V
				F	0~10V DC		
Y	Other	Y	Other	Y	Other	Y	Other

Y - Max. range upto 1000Hz.

TERMINAL CONNECTION :

Model : TDF, TSF



KUSAM-MECO®

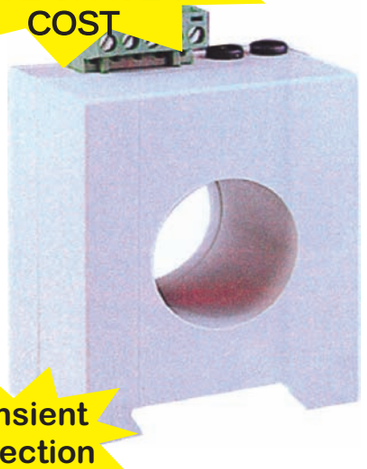
AC CURRENT ISOLATED SENSOR TWO-WIRE / FOUR-WIRE TRANSDUCER

Model - TSCT / TFCT

Model - TSCT for RMS Conversion
Model - TFCT for TRUE RMS Conversion

"KUSAM-MECO" has introduced AC Current Isolated Transducers. It is a combination of Current Transformer & Current Transducer. It has application in Automation & Controls / PLC / Scada Systems. It is available with primary Current ratings of 5, 10, 15, 20, 30, 40, 50, 75, 100, 150, 200, 250, 300, 400 Amps. Output available is 4-20mA or 5-40V. The Accuracy is 0.5% R.O. The Auxilary Power supply which is available is AC 110/220V, DC 22-72V or AC/DC 85-265V. It has Transient Protection 6KV. The Casing is made from Fire Retardant plastic. It is suitable for Wall mounting or DIN Rail mounting.

First Time in INDIA
SAVE SPACE & COST

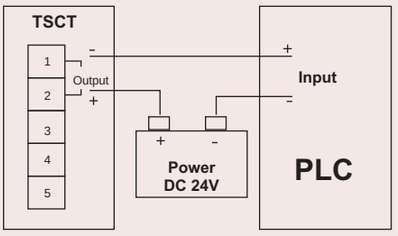


Transient Protection 6KV

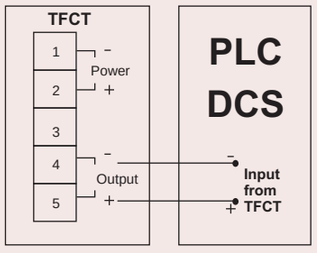
SPECIFICATIONS :

- **Output :** DC 4-20 2 wire / 4wire ; DC 5-40V 2 wire
- **Accuracy :** ± 0.5% R.O.
- **Frequency :** 10 ~ 400Hz
- **Load :** 760 (supply DC 24V)
- **Dielectric Strength :** 2.6kV/min (1.2 x 50 s) (Input / Output / Case)
- **Transient Protection :** 6KV
- **Response Time :** 250ms
- **Repeatability :** 0.1%
- **Zero & span Adjustment :** ± 5%
- **Housing :** ABS plastic, Ul94 Class V-0
- **Operating Temperature & Humidity :** -40°C ~ 75°C, 20 ~ 95% R.H.
- **Dimension :** 38(L)x63(W)x74(H)x33( )mm

Connection Diagram : Model - TSCT



Connection Diagram : Model - TFCT

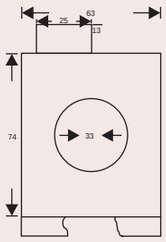


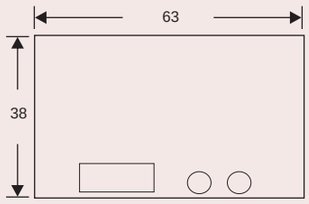
TSCT — DC 24V 2 Wire

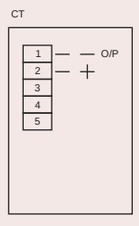
TFCT — 4 Wire

Input		Auxillary Supply	
1	0~5A	A	AC 110V
2	0~10A	B	AC 220V
3	0~15A	C	DC 22-72V
4	0~20A	F	AC/DC 85~265V
5	0~30A		
6	0~40A		
7	0~50A		
8	0~75A		
9	0~100A		
A	0~150A		
B	0~200A		
C	0~250A		
D	0~300A		
E	0~400A		

Outline Dimension :
(Unit : mm)







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