

**POWER TRANSDUCER / CONVERTER**



- ✦ **Power Transducer - Din Rail.**
- ✦ High accuracy true RMS
- ✦ Can take Direct 0-5/1 AMP AC DC Currant
- ✦ Direct take From shunt Input -0 - 75 mV DC
- ✦ Wide range for AC DC Voltage- 0- 500 V AC/DC
- ✦ Special Frequency (Hz) , Load cell , Resistants Input



**FEATURE**

- ✦ Microprocessor Based Slim & Compact Design ( 22.5 mm Width).
- ✦ Supplemented With 1,2,3,4 Isolated Outputs For One Input Option.
- ✦ Universal Inputs Like: AC / DC Volt, AC / DC Current, milliamp, millivolt, RTD, TC & Linear.
- ✦ 1.5 kV 3 Port Isolation. & 0.25% Accuracy Of FSD.
- ✦ Design Make As Per Requirements Of IEC Standard & CE Standard.
- ✦ 24 V DC / 220 V AC / 110 V AC 4 Wire Type Isolation.
- ✦ All Configurations And Calibration From Front Panel Keypad.
- ✦ Highly Communicative Serial Interface Facility (RS-232 /485).
- ✦ Transmitter Loop Power Supply With Current Limit As Standard.

**APPLICATION**

- ✦ System Isolation.
- ✦ PLC / DCS System.
- ✦ Instruments Control Panel.
- ✦ Transducer Interface.
- ✦ SCADA & Data Acquisition System.
- ✦ Data Transition & Converter.
- ✦ Process Instruments & PLC Panels.
- ✦ AC / DC Drive Systems.

Input type	Output
✦ 0-1/5/10K	✦ 4-20mA
✦ 0-1/5 AMP AC	✦ 0-20mA
✦ 0-500VAC	✦ 0-10VDC
✦ 0-500VDC	✦ 0-5VDC
✦ 0-1/5KHZ	✦ 0-1VDC

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TECHNICAL SPECIFICATION

INPUT	Input Type	Current :	0-20 mA DC, 4-20 mA DC 0-1/2/5 AMP AC
		Voltage	DC: 0-75/200 MV DC, 0-1/5/10 VDC, 0-100/300/500 VDC
			AC: 100/200/300/500 AC
	Resistance :	0-50/500 , 0-1/5/10 K , Hz : 500 HZ,0-1/25Khz	
	Transmitter Power Supply	10/12/24 V DC @ 30 mA Max, Isolated	
	Cold Junction Comp. & Sensor Break Ind.	Software Base Automatic	
Response Time	1 ms to 200 ms Default 200 ms.		
Accuracy	+/- 0.1 % Of Span For Linear & RTD , +/-0.25 % For T/C		
Input Impedance	>330 K For Voltage , mV, and T/C , 100 R For Current		
ISOLATION	1.5 KV AC Between	Input To Output , Input To Power, Output To Power	
		Output To Output (In Case Of Multiple Output )	
COMMUNICATION	Communication Protocol & Connectable Number	Modbus RTU RS- 485 / RS - 232 Communications	
	Programmable parameter & Connectable Number	Baud Rate , Node, Parity, Node Address, Stop Bit. & 0-256 Unit.	
PROGRAMMABLE PARAMETERS	Programmable Parameter	Through Computer Software	
	Input / Output Range And Calibrations	Through Computer Software And Local Hardware Trim Pot	
OUTPUT	Output Type	0-20 mA, 4-20 mA, 0-10 V, 0-2 V, 0-5 V, 0-10 V DC	
	Nos Off Output	1/2/3/4 All Are Isolated.	
OTHER	Dimensions & Mounting	As Per Order & Din Rail Mounted	
	Supply Voltage Power Consumption	110/230 V AC, 50/60 Hz or 24 V DC 10 Watts Maximum	
	Operating Ambient Temperature And Humidity	0~50 °C Below 90%, Non Condensing	

ORDERING INFORMATION :

UT-1103	1	2	3	4	5	6
Input	Nos. of O/P	Re. Output	TPS	Power	Comm.	
0-1/5/10KΩ	One	None	12V DC	230V AC	None	N
0-1/5AAC	Two	4-20mA	24V DC	110V AC	RS485	4
0-500VAC	Three	0-10V DC	10V DC	24V DC	RS232	2
0-500VDC	Four	0-5V DC				
0-1/5KHZ		0-1V DC				
Load Cell						