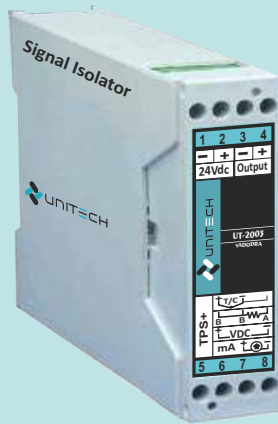
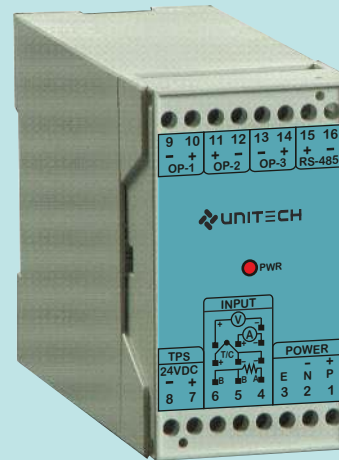


SIGNAL ISOLATOR / CONVERTER



Universal Input - Isolated Single Output



Single Input - 1,2,3,4 Output (Isolated)

- Available size : 22.5 mm (W) & 35 mm(W)

- RS-485 Communication with up to 4 Isolated Output

FEATURE

- ✦ Microprocessor Based Highly Reliable Isolator With Slim And Compact Design (22.5 mm & 35 mm).
- ✦ Universal Input T/C, RTD, Linear Input Selection.
- ✦ Mutual Isolation Between Input, Output1, Output2 And Power Supply.
- ✦ 0.1% Accuracy Of FS. (Din Rail Mounting).
- ✦ Supplemented With 1, 2, 3, 4 Isolated 4-20 mA DC Outputs For One Input Option.
- ✦ All Configurations And Calibration From Windows Base Software Utility.
- ✦ Modbus RS-485 Highly Communicative Serial Interface Facility.
- ✦ Transmitter Loop Power Supply With Current Limit As Standard.
- ✦ Optional Input Like AC/DC Volt, AC/DC Current, milliamp, millivolt, Frequency Or Load Cell Inputs Available.

APPLICATION

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

SPECIAL INPUT

0-1/5 VDC , & -10 to 10 VDC ,
 0-1/5/10 K & 0-1/5KHZ & 0-75 mV shunt
 0 -500 V AC/DC & 0-1/5 AMP AC/DC

OUTPUT

0-1 VDC, 0-5 V DC , 0-10 V DC
 0-20mA DC , 4-20mA DC

SIGNAL ISOLATOR / CONVERTER

TECHNICAL SPECIFICATION

INPUT	Input Type	T/C	K, J, R, S, E, N, T
		RTD	Pt-100, Cu 53 (2wire & 3 wire)
		Current	0 ~ 20 mA DC, 4~20 mA DC 0-1/5 AMP. AC
		Voltage	0-5 V/1-5 V, 0.5 -2.5 V/0- 10 V DC
		Special on demand	0-75/200 mV & 0-1/10V/100/300 V AC/DC
		Resistance :	0-75/200 mV 0-100/300 V DC && 0-500 R , 0-1/5/10 K, 1M
	Transmitter Power Supply	24 V DC @ 30 mA Max, Isolated From I/P & O/P	
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	Input - 1.5 KVA Between)	Input to Power & Input To Output	
	Power - 1.5 KVA Between	Power To Input & Power To Output	
	Output- 1.5 KVA Between	Output To Power & Output To Output & Output To Input	
COMMUNICATION	Communication Protocol & Method	Modbus RTU RS- 485/RS- 232 Communication	
	Programmable Parameter & Max No.	Baud Rate, Parity , Node Address , Stop Bit & 0-256 Unit	
OUTPUT	Output Type	4-20 mA DC , 0-20 mA DC , 0-10 V DC , 0-1/2/5 V DC	
	Nos. Of Output	1,2,3,4 All Are Isolated	
OTHER	Dimensions & Mounting	(A) 110,230 AC & 24 VDC, 50/60 Hz (B) 4 Watts Maximum	
	Operating Ambient Temperature And Humidity	0~50 °C , And Humidity : Below 90%, Non Condensing	

ORDERING INFORMATION :

UT-1102		1	2	3	4	5	6		
Input		Output		Nos. Of O/P	TPS	Power	Comm.		
0/4-20 mA DC	MA	4-20 mA	-	1 Nos.	1	24 VDC	1	None	N
0-10V DC	V1	0-20 mA	1	2 Nos.	2	12 VDC	2	RS485	4
PT-100- RTD	PT	0-10 VDC	1	3 Nos.	3	10 VDC	3	RS232	2
J- T/C	JT	0-5/1 VDC	1	4 Nos.	3				
K- T/C	KT	Special	s						
R- T/C	RT								
S- T/C	ST								
0-5V/1V DC	V2	0-500 V AC	VA						
0-1/5/10K OHMS	R	0-500 V DC	VD						
0-1/5 A AC	AC	0-1/5 KHZ	HZ						