

UT-3000F

**MULTICHANNEL PROCESS INDICATOR & CONTROLLER
FLAME PROOF (I / IIA / IIB / IIC Ex. PROOF)**



Flame Proof- 4 ch.



Flame Proof- 8 ch.



Flame Proof- 8 ch. With Eternal Key pad

FLAME PROOF (I, IIA, IIB, IIC Ex Proof)

Available Channel : 4ch & 8ch

On line data Logging software available for all indicator

FEATURE

- ★ Microprocessor Based Powerful & Highly Reliable Process Display.
- ★ 4 & 8 Channel Flame Proof Display With Data Logger Available.
- ★ All Input Are Universal Like T/C, RTD Linear Selection.(Individual Channel Input Type Programming).
- ★ Simultaneously Display For Individual Channel In Compact Flame Proof Housing Size.
- ★ 0.1 % Accuracy Of FSD.
- ★ All Channels Are Fully Isolated.
- ★ All Configurations And Calibration From Front Flame Proof Panel Keypad.
- ★ High Speed Serial RS-232 / 485 Comm. For On Line Data Logging.
- ★ Transmitter Loop Power Supply With Current Limit As Standard.
- ★ Power Supply :230 V/110 V AC. Or 24 V/12 V DC.
- ★ 9 Nos. 3/4 ET Gland Entry. With Wall Mounted Panel Fitting Accessory.

APPLICATION

- ★ Temperature And Humidity Mapping & Validation.
- ★ Transformer Monitoring And Protection.
- ★ Gas Detection & Environmental Data Monitoring.
- ★ Data Acquisition And Control Application.
- ★ RTU & Remote IO For PLC / DCS.



IP-55/65 Housing

TECHNICAL SPECIFICATION

INPUT	Input Type for 4 / 8 / 12 / 16 Channel Instruments	T/C	K / J / R / S / E / N / T
		RTD	PT - 100, CU53 (2wire & 3 wire)
		Current	0 - 20 mA DC, 4 - 20mA DC
		Voltage	0-5V,1-5V, 0.5 -2.5V,0- 10 V DC
	Transmitter Power Supply	24 V DC @ 30 mA max, Isolated from I/P & O/P	
	Cold junction comp. & Sensor break ind.	Software Base Automatic	
	Range limits	As per Input Range Table	
	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	
INDICATION	Indication	4, 8, 12,16 Indicator Seven Segment all Chanel are Independent 4 Digit.	
	Status Indication	LEDs for Relay Satus & Communication	
	Alarm Modes	Low / High	
FLAME PROOF	GAS Group	I, IIA , IIB, IIC, as per IS 2148/1981 -	
	Enclose Certification	Enclosure is Certified by C.M.R.I., Dhanbad & CCOE	
	Cable Entry & Mounting	Cable entry 9 nos. Mounting- FLP Wall Mounted	
OUTPUT	Relay Output	NO - C - NC Contacts , 5A@240 V AC Resistive	
	SSR Output	1 Relay Output per Channel	
	Transmitter Power	24 V DC @ 20 mA, 12 V DC @ 20 mA	
COMMUNICATION	Communication Procole & Methods	Modbus RTU RS- 485/ Ethernet TCP-IP & Wi-Fi , Bluetooth , USB	
	Programmable Parameter	Baud Rate,Parity , Node Address , Stop bit & 0-256 Init IP Add	
	Wireless Communication	RF 2 KM / GPRS base Mobile(sms) Communication	
PROGRAMMABLE PARAMETER	Set - point / High / Low / Node I'd	Full Range as per Input Selection.	
	Relay Logic	F.S. High & Low Alarm, Dead band Alarm	
	Display Resolution	-1999 to 9999 Fully Configurable for linear Input	
	Programming of Parameter	Touch screen. or Through 5 tactile keys	
OTHER	Dimension & Mounting	As per Box Selection & Wall/Structure 2/2 Holes	
	(A) Supply Voltage (B) Power Consumption	(A) 110/230 V AC/24 V DC, 50/60 Hz (B) 4 Watts Maximum	
	Operating Ambient Temperature & Humidity	0~50 °C , and Humidity : Below 90%, Non Condensing	

ORDERING INFORMATION :

UT-30											
1		2		3		4		5		4	
Channel		Input		Ctrl O/p		Housing		Communication		Power	
4 ch	04	Universal	U	None	N	Weather Proof	P	RS232	N	230 V AC	1
8 ch	08	TC	T	1 Relay per Ch.	R	Flame Proof	F	RS485- Modbus	4	110 V AC	2
		RTD	PT	Note : for Flame proof only 4 and 8 channel are available				Wireless RF(1 KM)	3	24 V DC	3
		Linear	L					GPRS /GSM	2		
		Special	S					Ethernet	1		

Note : for Flame proof only
4 and 8 channel are available