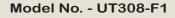


Model No. - UT-304-F1







C.M.R.I. Certified for gas group I IIA IIB

External Box : Ex. Flameproof with S S Box

FEATURE:

- Flame proof low cost and compact size controller.
- μP Based Power, full & highly reliable controller.
- I, IIA, IIB, IP 65 as per IS 2148/1981, certified by C.M.R.I.
- 4/8 nos. Universal Input T/C, RTD, linear input selection.
- 0.1% Accuracy of FSD.
- 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.
- Power supply:230V/110V AC. Or 24V/12V DC
- **Fully Password Protected Operation.**

INPUT (For All Channel)

Туре	Range
J	-50 to 750 °C
K	-50 to 1200 °C
R	0 to 1750 °C
S	0 to 1750 °C
Т	0 to 400 °C
E	-50 to 500 °C
PT-100	-50 to 400 °C
CU 53	-50 to 250 °C
LINEAR	-1999 to 9999
SPECIAL	-1999 to 9999

MAIN ADVANTAGE:

- Jumper less and fail safe design for long term consistent operation.
- Fully pass word protection for Tamper free operation.
- No separate loop supply required for 2 wire transmitter.
- User friendly menu for device configurations & calibration.
- 4/8 nos universal input in single compact controller.
- Field Configurable
- Highly communicative serial port for SCADA connectivity.
- Optional GSM mobile connectivity for remote data access.

APPLICATION:

- ► IIA, IIB, IP 65 zone On/Off control Application
- Pharmaceutical plant (API / clean room / foumulation)
- Laboratory and scientific instrument
- Petrochemical plant
- Oil and Gas plant
- Fertilizer plant

Computer Software (SCADA) Available for On line Process Viewing, Controlling and Data Logging.



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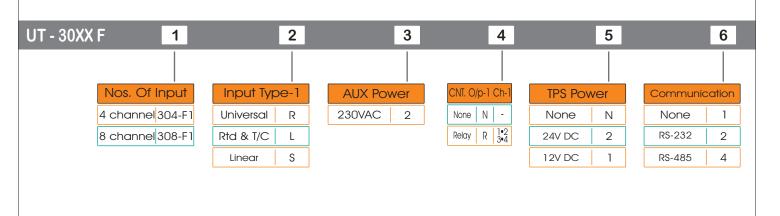




TECHNICAL SPECIFICATION:

	FLAME PROOF	Gas group	I IIA IIB as per IS 2148/1981
		Enclose certification	Enclosure is certified by C.M.R.I., Dhanbad
		Display glass	Clear glass thognet type A as per IS 2206
P FLAWE PROOF		Degree protection	IP 65 as per IS 2147
		Material of constructions	Aluminum alloy
		Cable entry	UT-304- F1=5x 3/4 "ET UT-308- F1=12x 3/4 "ET
			T/C : K, J, R, S, E, N, T
	MOUT	Input Type	RTD : Pt-100, Cu53 (2wire & 3 wire)
> INPUT			Current : 0 ~ 20mA DC, 4~20mA DC
		For Input 4 & 8	Voltage : 0-5V/1-5V, 0.5 -2.5V/0- 10 V DC
	INPUT		Special on demand : 0-75/200 mV & 0-1/10V/100/300 V DC
			0-75/200 mV 0-100/300V DC Resistence :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
		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	4 Digit process value 7 segment display
	INDICATION	Status indication	LEDs for High & Low alarm status & communication
ĺ		Alarm modes	High and Low
>	COMMUNICATION	Communication Protocol & mathod	Modbus RTU RS- 485/RS- 232 Communication
		Programmable parameter & Connectable number	Baud rate,Parity , Node address , Stop bit & 0-256 unit
		Setpoint / Hysteresis / High scale / Low scale	Full range as per input selection
	PROGRAMMBALE	Alarm Logic	F.S. High & Low Alarm
	PARAMETERS	Display resolution	-1999 to 9999 fully configurable for linear input
		Programming of parameters	Through 4 tactile keys
		Dimensions & Mounting	As per box selection & wall/structure 2/2 holes
	OTHER	(A) Supply voltage (B) Power consumption	(A) 110/230 V AC, 50/60 Hz (B) 9 watts maximum
		Operating ambient Temperature and Humidity	0~50 °C • and humidity : Below 90%, non condensing

ORDERING INFORMATION:









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