


96 X96 TOUCH LCD

96 X96 16 X 2 LINE LCD

IP-55,65 HOUSING-FIT

FLAMEPROOF HOUSING-FIT

- Com. Protocol- RS-485 / Ethernet TCP/IP / Wireless RF / GPRS-GSM
- Flow Monitoring and Data Logging SCADA Available

DESCRIPTION

UNITECH's Model UT-1207,9 Represents Flow Indicator / Totalizer / Transmitter For Flow Applications Related To Any GAS Flow. The Instrument Is Designed To Accept 3 Inputs Of FLOW, PRESSURE And TEMPERATURE At A Time. Based On These Inputs Instrument Have In-Built Automatic Computations Of Density Of The Gas And Other Fed In Parameters, The Instrument Calculates The Instantaneous Flow Rate. This Calculation Totally Compile With AGA3, Nx19. This Flow Computer Can Be Easily Interfaced To PLC, SCADA Or DCS Systems As Various Options Like Analog Re-Transmission And RS-232/485 MODBUS Or GPRS/GSM Connectivity And SCADA Offers More Flexibility And Enables Remote Monitoring. Display Models Are Available With Weather Proof & Flame Proof Enclosure As An Optional Feature.

These Computing Units Having Different Parameter Feed Facility Like- DP Transmitter Range In mmwc, Pressure Range In Kg/Cm2, Flow Rate For Re-Transmission Output, Orifice Diameter In Mm, Pipe Inside Diameter In Mm, Specific Gravity, Mole % CO2 Gas, Mole % N2 Gas, FB /NB And Communication Parameter With Automatic Unit Range Ability.

FEATURE

- ✦ Multi Parameter Auto Scroll Display Like Gas Press., Temp., Nm³, Sm³ And Total.
- ✦ The Instrument Can Be Configured To Work On STEAM, Air, Natural Gas Or Any Dry Gas.
- ✦ Accepts Up To Three Inputs – FLOW (mA), PRESSURE (mA), TEMPERATURES (mA/RTD PT.100).
- ✦ Non-Volatile Memory To Retain Totalizer Flow, No Need Of Battery To Change.
- ✦ Gives Efficient Pressure And Temp. Compensations(On Line Density) For MASS FLOW CALCULATIONS.
- ✦ Calculates Flow Rates In NM3/Hr. Or SM3/Hr. – As Selected.
- ✦ Optional GSM Mobile Connectivity For Wireless Remote Reading Purpose (SMS).
- ✦ Isolated 0/4-20ma Re-Transmission Output Proportional To Standard Flow Rate.
- ✦ Field Operated User Friendly Menu For Device Configurations & Calibration.
- ✦ Liner Or Square Root Input Selections With 0.1% Accuracy.
- ✦ 8/10 Digit Flow Totalizer With Password Protected Resetting.
- ✦ Isolated Highly Communicative Serial Port RS-485, Ethernet.
- ✦ 2 Nos. 24 V DC Loop Power Supply For Flow & Pressure Transmitter.
- ✦ Fully Password Protection For Tamper Free Operation.
- ✦ Flow Metering Computer Software Available.
- ✦ Weather Proof Or Flame Proof Housing.

TECHNICAL SPECIFICATION

INPUT	Input Type	Flow :	0-4 ~ 20 mA DC , 0-10 V DC Pulse - 3 Wire PNP/ 2 Wire Namur Type
		Pressure :	4-20 mA DC / 0 - 10 V DC Or Other Linear Type
		Temperatures :	RTD Pt.- 100, 4-20 ma DC / 0 - 10 V DC Or Other Linear Type
	Transmitter Power Supply		24 V DC @ 30 mA Max, Isolated From I/P & O/P
	Input Mode		Linear Or Square Root
	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	Touch LCD Type :	3.5 Inch Touch Screen 5 Digit Flow Rate & 10 Digit Totalizer.
		LCD Type :	5 Digit Flow Rate & 10 Digit Totaliser-16x2 Line Back Lite
	Status Indication		Leeds For Relay Status & Communication
	Alarm Modes		Very Low / Low / High / Very High
MASS CALCULATION	Mass Calculation For Gas- Air		Gas : Aga-9/11, & For Orifice Or Venture Flow Metre
	Mass Calculation - Steam		Steam : Nx-11 Auto Super Heated And Saturated Steam
OUTPUT	Relay Output	No - C - NC Contacts , 5A @240 V AC Resistive	
		2 Relay Output For Fine And Corse Output	
	Transmitter Power		24 V DC @ 20 mA , 12 V DC @ 20 mA
	Retransmission Current & Voltage Outputs		0~20/ 4~20 mA, 0 ~ 5 V , 0 ~ 10 V , 1 ~ 5v DC, Fully 3 Port Isolated
COMMUNICATION	Communication Protocol & Method		Modbus RTU RS- 485/RS- 232 Or Ethernet Communication
	Programmable Parameter & Max No.		Baud Rate, Parity , Node Address , Stop Bit & 0-256 Unit
	Wireless Communication		GSM/GPRS Base Mobile(Sms) Communication
PROGRAMMABLE PARAMETER	Set point / Hysteresis / High Scale / Low Scale		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 Parameters		Through 4 Tactile Keys
OTHER	Dimensions & Mounting		As Per Box Selection & Wall/Structure 2/2 Holes
	(A) Supply Voltage (B) Power Consumption		(A) 110/230 AC/24 V DC, 50/60 Hz (B) 4 Watts Maximum
	Operating Ambient Temperature And Humidity		0~50 °C , And Humidity : Below 90%, Non Condensing

ORDERING INFORMATION :

UT-120	1	2	3	4	5	6
Type		Ext.Housing	Input Type	Output	Power	Comm.
GAS-AIR FLOW	7	Panel Mounting-LED P1	2 X 4-20 mA & 1 RTD 1	None N	230V AC 1	None N
STEAM FLOW	9	Panel Mounting-Touch P2	3 X 4-20 mA DC 2	4-20mA C	110V AC 2	RS485 4
		Field Mounting (Wall) W		0-10/5V V	24V DC 4	Ethernet 2
		Flame proof housing F		Special T		GSM 1