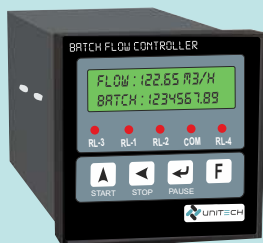


BATCH FLOW TOTALIZER & CONTROLLER



96X96-COLOUR LCD



96X96-LCD



IP-55,65 HOUSING



FLAMEPROOF-EX

- Com. Protocol- RS-485 / Ethernet TCP/IP / Wireless RF / GPRS-GSM
 - Flow Monitoring and Data Logging SCADA Available
- Suitable for All Flow Metre Like Orifice , DPT, Pitot Tube ,Turbine ,Venturi and Vortex Oval Gear

INTRODUCTION

UNITECH's Model 1206 Represents BATCH CONTROLLERS For Monitor Your Flow Rate, Keep A Cumulative Total, Or Select Batch Control. Models Are Available To Accommodates Virtually Any Need In Flow Monitoring And Control. Choose From Models That Accept Pulse Or Analog Signal, And Have A Digital (RS-485) And Analog Signal Output. Four-Relay Models Available Allow You To Control Valves, Pumps, Or Other Equipment To Maintain Desired Flow, Volume Level, Or Dispensation. Square Root Extraction To Accommodate Flow Sensors That Do Not Have Linear Outputs. This Flow Computer Can Easily Be 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.

FEATURE

- ★ Potential Free Relay Contact Output 2 X Flow And 2 X Totalizer.
- ★ Field Configurable Flow Range. Sort Key Function For Batch Start, Stop And Pause.
- ★ Micro Controller Based Powerful & Highly Reliable Controller.
- ★ 8/10 Digit Flow Totalizer With Password Protected Resetting.
- ★ Various Enclosures Supported Weather Proof Or Flame Proof.
- ★ User Friendly Menu For Device Configurations & Calibration.
- ★ Highly Communicative Serial Interface RS 485 & Ethernet.
- ★ Optional GSM Mobile Connectivity For Remote Data Reading And Logging Through SMS.
- ★ Maximum 4 C/O On Batch Values Generated.
- ★ 24 V DC Loop Power Supply For Flow Transmitter.
- ★ 4-20 mA Or 0-10 V DC Or Pulse (3 & 2 Wire) Input Type.
- ★ All Standard Batch Functions Included.
- ★ Liner Or Square Root Input Selections & 0.1% Accuracy.
- ★ Isolated 0/4-20 mA Re-Transmission Output.
- ★ Flow And Batch Managements Computer Software Available.

BATCH FLOW TOTALIZER & CONTROLLER

TECHNICAL SPECIFICATION

INPUT	Input Type	Current :	0 ~ 20 mA DC , 4~20 mA DC
		Voltage:	0-5 V/1-5 V, 0.5 -2.5 V/0- 10 V DC
		Pulse :	3 Wire PNP, NPN & 2 Wire NAMUR 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	LEDs For Relay Status & Communication, Start Stop And Push	
CONTROL MODE	On Off Control	Relay / SSR- With BATCH START, STOP & POSH FUNCTION	
	Batch Values & Batch Function	2 (Can Be Set In Value Or %) & Batch Start, Stop And Posh Function.	
OUTPUT	Relay Output	NO - C - NC Contacts , 5 A @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 ~ 5 V 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 PARAMETERS	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-1206	1	2	3	5	6	7	8
Ext. Housing		Size	Input	Relay -Total	Output	Power	Comm.
Panel Mounting	R	96 X 96-LCD	4-20mA	None	None	230V AC	None
Field Mounting (Wall)	W	96 X 46-LCD	0-10/5/1V	Relay-1	4-20mA	110V AC	Rs485
Flame proof housing	F	96 X 96- Touch	Pulse	Relay-2	0-10/5V	24V DC	Ethernet
			Special	Relay-3	Special		GSM