



ASTER
INSTRUMENTS

LCD Based Flow Totalizer & Batch Controller



- ✓ Linear and Square root Selections with 0.1 % Accuracy
- ✓ Pressure and Temperature Compensation (Optional)
- ✓ Potential Free Relay Contact Output up to 1,2 Nos
- ✓ Isolated 0/4-20 mA or 0-10 V Process Value Retransmission Output
- ✓ Transmitter Loop Power Supply with Current Limit as per standard
- ✓ Field Configurable Flow Range, Sort key Function for Start, Stop and Pause
- ✓ Flow and Batch Management Computer Software available
- ✓ Optional GSM Mobile Connectivity for Remote data Logging and Logging Through SMS / GPRS to Server

TECHNICAL SPECIFICATION :-

INPUT :

Flow : - 4-20 mA DC/ 0-10 V DC / Pulse Input

Pressure :- 4-20 mA DC / 0-10 V DC (optional)

Temperature :- RTD (PT-100) 3 WIRE / 4-20 mA (optional)

Flow Type:

Linear / Square Root

Range:-

9999.9 (For Flow Rate)

99999999.9 (For Flow Totalizer)

ADC

24 bit Delta Sigma (High Accurate)

ACCURACY :

+/- 0.1 % of span for linear (4-20mA / 0-10V)

LED STATUS INDICATION :

LEDS FOR HIGH & LOW ALARM, Modbus TX-RX

OUTPUT :

OUTPUT-1 : RELAY / SSR (For Batch Control)

OUTPUT-2 : RELAY / SSR (on Flow Rate / Total Flow)

OUTPUT-3 : 4-20 mA (Retransmission) / 0-10 VDC

(OPTIONAL:- Can be selected by User)

RELAY OUTPUT:	NO - C - NC Contacts , 5A @240 V AC RESISTIVE
	1 / 2 Relays / SSR
SSR OUTPUT:	12 VDC @ 20 mA
Retransmission Current & Voltage O/P	4-20 mA / 0-10 V, Fully 3 Port Isolated 1.5KV

COMMUNICATION :

RS-485 MODBUS (OPTIONAL)

TRANSMITTER

24 V DC @ 30 mA max, isolated from INPUT & OUTPUT

POWER SUPPLY

POWER

- 1) 90-300 VAC/VDC SMPS**
- 2) 24VDC (OPTIONAL)**

ORDERING CODE :

**AFT-5000 /
FLAME PROOF**

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INPUT FLOW TYPE :

- | |
|--------------------------|
| 1) 4-20 mA DC / 0-10 VDC |
| 2) Pulse |
| 3) Both of Above |

INPUT PRESSURE & TEMPERATURE
TYPE :

- | |
|----------------|
| 1) NONE |
| 2) Pressure |
| 3) TEMPERATURE |
| 4) Above Both |

OUTPUT - 1 :

NO OUTPUT	0
RELAY	1
SSR	2

OUTPUT - 2 :

NO OUTPUT	0
RELAY	1
SSR	2

POWER SUPPLY :

0	85-275 VAC
1	24 VDC

TRANSMITTER POWER SUPPLY

0	NOT APPLICABLE
1	24V DC(30 mA) Isolated

COMMUNICATION (OPTIONAL):

0	NOT APPLICABLE
1	RS-485 (MODBUS)

RETRANSMISSION (OPTIONAL):

0	NOT APPLICABLE
1	4 - 20 mA (Isolated)
2	0 - 10 VDC (Isolated)



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