

SALIENT FEATURES

- ▣ Programmable Microcontroller Based Unit
- ▣ Eight / Six digit counter with non-volatile memory
- ▣ Independent display for flow rate indication (4 1/2 digit optional)
- ▣ Programmable Alarm (on flow rate) and Batching Facility
- ▣ Serial Communication Port with MODBUS RTU Protocol
- ▣ Isolated 4 to 20 mA retransmission output
- ▣ Built-in two-wire transmitter supply
- ▣ Various Cutouts and sizes
- ▣ Single Chip design for ruggedness and low cost
- ▣ Built-in TEMPERATURE PRESSURE COMPENSATION (optional)



The CS 3000 series Flow Integrator Totalizers are precision instruments used along with flow meters, flow transmitters to indicate the instantaneous flow rate and carry out the totalization of flow. Two set-points are provided which can be configured on flow rate or on batches and hence can be used as batch controllers.

TECHNICAL SPECIFICATIONS

Input	: 1) 4 to 20 mA DC, 0 to 20 mA DC (Input Impedance < 200 ohm) 2) 1 to 5 V DC, 0 to 5 V DC (Input Impedance > 2K ohm) 3) Frequency 0 to 1 / 10 KHz (optional)	
Input Type	: Linear / square root programmable	
Range	: Calibrated as per customers requirement from front key pad	
Display	: 1) 4 digit or 4 1/2 digit, 1/2" red LED for Flow Rate indication 2) 6 / 8 digit, 0.3" red LED for Totalized Flow (resettable)	
Memory Back-up	: Non-volatile memory (EEPROM) storage uptill 10 years	
Set Points	: 2 nos programmable over flow rate or batching	
Output Relays	: 1 NO + 1 NC per set-point / batch, rated at 230 V AC, 5 A resistive load	
Transmitter Supply	: 24 V DC, 30 mA	
Retransmission Output	: 4 to 20 mA (Isolated) optional	
Programming	: All parameters programmable by splash proof front key pad	
Accuracy	: < +/- 0.2% of FSD	
Supply	: 230 V AC, 50 Hz (others on request)	
Mounting	: Flush on panel	
Dimensions	Cutout	Bezel
	1) 92mm X 92mm	1) 96mm X 96mm
	2) 138mm(H) X 68mm(W)	2) 144mm(H) X 72mm(W)
	3) 92mm(W) X 45mm(H)	3) 96mm(W) X 48mm(H)
Depth	: Less than 200mm	
Operating Temperature	: 0 to 65 deg C	
Temperature Coefficient	: 0.015% / deg C	
Humidity	: 90% maximum (non-condensing)	

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