



- 6 digit flow rate indicator, 8 digit flow totaliser
- Inputs : 0~20 mA, 4~20 mA, 0~5 volts, 1~5 volts, 0~10 volts, 0~10 khz
- Two batch relays, two flow alarm relays
- Programmable flow rate, setpoints and relay modes, etc.
- Application : Monitoring and controlling continuous as well as batch flow processes
- Isolated programmable 4~20 mA retransmission output
- RS 485 / MODBUS
- Password protected programming and reset
- Programmable start, stop, reset functions

**SPECIFICATIONS** All specifications at ambient of 25 °C, unless specified otherwise

<b>INPUT</b>		<b>COMMUNICATION</b>	
<b>Input</b>	0-20 mA, 4~20 mA, 0~5 V, 0~1 V, 0~10 V, 0~10 kHz (user selectable by DIP & programming)	<b>Port</b>	RS485
<b>Transmitter supply Accuracy</b>	22 V nominal, 30 mA max 0.1% of span typical, 0.2% of span maximum	<b>Protocol</b>	Modbus RTU
<b>Flow rate range</b>	0.00001 to 999999 EU	<b>Slave ID</b>	User programmable (1~256)
<b>Flow totaliser range</b>	0 to 99999999	<b>PROGRAMMABLE PARAMETERS</b>	
<b>Memory</b>	Non volatile, indefinite retention	<b>Input type</b>	User selectable (DIP also to be set)
<b>INDICATION</b>		<b>Input mode</b>	Linear, Square root
<b>Flow rate</b>	Upper : 6 digit, 7 segment 0.56" (14.2 mm) red LED display	<b>Setpoints</b>	For flow rate (SP1, SP2) : 0 to 999999 For totaliser (SP3, SP4) : 0 to 99999999
<b>Totaliser</b>	Lower : 8 digit, 7 segment 0.3" (7.62 mm) green LED display	<b>Resolution</b>	
<b>Status indication</b>	LEDs for relay status LEDs for flow rate unit LEDs for communication	<b>Flow rate</b>	0.00001 to 1
<b>VIEW MODE</b>		<b>Totaliser</b>	0.0000001 to 1
<b>Integrated totaliser</b>	0 to 99999999	<b>High scale for flow rate</b>	0.1 to 999999
<b>Roll over count of Integrated totaliser</b>	10 <sup>6</sup>	<b>Low scale for flow rate</b>	0 to 999999
<b>Peak</b>	Maximum flowrate after power on / reset	<b>Digital filter</b>	A(minimum) ~ F(maximum)
<b>Valley</b>	Minimum flowrate after power on / reset	<b>Time base unit</b>	Second, minute, hour, day
<b>OUTPUTS</b>		<b>Hysteresis for flow rate alarms</b>	0.001 to 9999
<b>No. of relays</b>	0 / 2 for flow rate alarm 0 / 2 for totaliser	<b>Flow rate alarm logic</b>	Full scale high, Full scale low, Deviation high, Deviation low, band in, band out
<b>Relay contact type</b>	NO-C-NC	<b>Flow rate alarm type</b>	Self reset or latched, enabled/disabled at power on
<b>Relay contact rating</b>	5A / 230V AC, resistive	<b>Alarm acknowledge</b>	Front panel function used to reset relay in alarm condition
<b>No. of analog outputs</b>	0 / 1 (current or voltage)	<b>Offset (for SP3, SP4)</b>	0 to 9999
<b>Current output</b>	4~20 mA / 0~20 mA / 20~4 mA / 20~0 mA isolated from input	<b>Relay logic for totaliser</b>	Latched mode, Autoreset mode
<b>Maximum load for current output</b>	500 ohms	<b>Auto reset time</b>	0.1 to 99.9 seconds
<b>Voltage output</b>	0~10 V or user specified	<b>Setpoint lock</b>	On, Off
<b>Load for voltage output</b>	>10 Kohms	<b>Program lock</b>	On, Off
<b>Mutual isolation between input/output/supply</b>	1KV AC RMS/1 minute, 250 V AC RMS continuous	<b>Relay action</b>	Reverse/Direct
		<b>Conversion factor</b>	0.01 to 9999.99
		<b>Start, stop and reset functions</b>	Programmable
		<b>OTHER</b>	
		<b>Programming</b>	Through 4 tactile keys
		<b>Enclosure construction</b>	Plug-in
		<b>Dimensions (in mm)</b>	96(H) x 96(W) x 100(D)
		<b>Mounting</b>	Panel mount
		<b>Panel cutout</b>	92 x 92 mm
		<b>Supply voltage</b>	a) 85~265 V AC, 50/60 Hz b) 20~35 V DC
		<b>Power consumption</b>	4 watts maximum
		<b>Operating ambient temperature</b>	0~50 °C
		<b>Relative humidity</b>	Below 90%, non condensing

CONNECTION DIAGRAM

