



## ■ Order information

SCONI - 1500 - -

### ● Input signal

Multi	mA , Volt
	Pulse

### ● Output signal (1)

1	2 Alarm (SPST)
R	Other
N	Not used

### ● Output signal (2)

1	DC 1 ~ 5V
2	DC 4 ~ 20mA
3	RS - 422 / 485
R	Other
N	Not used

### ● Power supply

X	AC 110V / 220V
Y	DC 24V

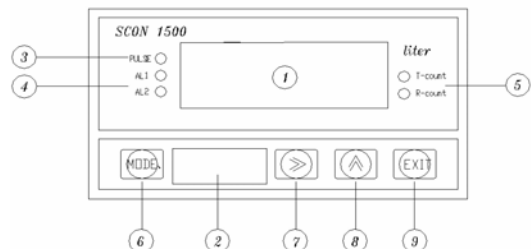
## ■ Features

- It is able to 10 digit total integration and 4 digit rate display..
- It can be accepts multi input signal such as pulse, mA, Volt signal.
- It is improved reliability by use of high resolution V/F converter.
- It contains various batch function which can be use of various purposes.
- It is able to RS 422/485 communication function which can be use of remote control and monitoring .
- It can be install 2 alarm point which can be set up rate alarm, batch function and dead band.
- It can be install isolated current, voltage output and also possible output scaling.
- It has pulse output function which can be outputs external integrating total.

## ■ Input type

Type	Range	Value	Display
mA / Volt	DC 4 ~ 20mA	0 ~ 9999	RNG0
	DC 1~5V		
Pulse 1	0.1 ~ 10Hz	0 ~ 9999	RNG1
Pulse 2	1 ~ 100Hz	0 ~ 9999	RNG2
Pulse 3	10 ~ 1KHz	0 ~ 9999	RNG3

## ■ Name of each part



- Total count display
- Rate value display
- Pulse output display
- Alarm status display
- Total count / Reset count display
- : Set up data and change key

■ General Specification

Item	Specification
Input Resistance	Volt(mA) Input : 250Ω Pulse Input : 10kΩ
Measure/Display Period	Rate value : 200ms(Volt, mA, Input) Total count : 1s(Volt, mA, Input) (Pulse input depends on frequency)
CMRR	More than 140dB
NMRR	More than 60dB
Filter	Transfer average filter
Sensor Power	DC 12V/30mA±0.5%
Rate	Linearity : 0.05% FS Repeatability : 0.1% FS Temperature Drift : 0.02% FS/ Long term drift : 0.1%/per 1000hr
Totalize Function	Data Storage : More than 10yrs Max Count : 10 Digit
Pulse Output	Output type : Isolated open collector Rating : Max DC 50V/50mA Max freq : Less than 5Hz
Communication	RS - 422/485 (4800 bps)
Relay Contact	AC 125V(2A) , DC 30V(3A)
Load Resistance	4~20mA DC(0 ~ 600Ω) 0~10V DC(1kΩ or more)
Isolation	Input/Output, DC 500V More than 100MΩ
Dielectric Strength	Input/Output/Power, AC 1500V/ min
Power Supply	AC 110/220V ±10%(50/60Hz) 4VA DC 24V ±10%, Less than 100mA
Operating Temp	-10 ~ 60
Operating Humidity	10 ~ 90%
Weight	Approx 500gr(AC), 300gr(DC)
Material/Color	ABS Resin / Black
Dimension	W 96 x H 48 x D 112 (mm)
Mounting	Panel Flush

■ Main functions

● Rate scaling function

- In case of input is mA/Volt : This function changes and set up rate value as scale and input range change.
- In case of input is pulse : This function converts input pulse count into rate value which calculates count factor and Rate time unit.

● Function

- LIN** It transfers input value into output without any operation. It is used to input process which requires linearity and general measurement.
- Root** It transfers input by square root and used to measure flow with orifice.
- Limit** This function displays zero when does not need under display such as level measurement.

● Integration function

- In case of input is current and voltage(mA, Volt) : It integrates rate value by compensation of time unit and integration rate.
- In case of input is pulse : It integrates input pulse by dividing total unit per pulse(count factor).

● Alarm mode and batch function

- **Rate Alarm(2 Point)** : There are 2 alarm point which can be set up upper and lower limit respectively. And also outputs relay contact output in compare with rate value.
- **Count Alarm + Rate Alarm** : Alarm 1 is an over alarm for reset count value and alarm 2 is an alarm for rate value. Alarm 2 operates exactly same as rate alarm. Alarm 1 operates when reset count value over set up value.
- **2 Count Alarm** : Alarm 1,2 are over alarms for reset count value and operates when reset count value over set up value. Alarm is reseted when resets reset count.
- **Batch (Dosage)** : It is possible sequential process with this function when fills a vessel with a fixed rate. It can be control of flow when approaches target value by 2 output contacts for precision control.

● Communication function

It can be install communication function which can be use of remote control in connection with computer.

■ Terminal connection

