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Астрахань (8512)99-46-04
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Иваново (4932)77-34-06

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Иркутск (395)279-98-46
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Киров (8332)68-02-04
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Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
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Омск (3812)21-46-40
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Оренбург (3532)37-68-04
Пенза (8412)22-31-16

Пермь (342)205-81-47
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Самара (846)206-03-16
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Ставрополь (8652)20-65-13

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Тверь (4822)63-31-35
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Тула (4872)74-02-29
Тюмень (3452)66-21-18
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SF Intelligent Flow Integrating Instruments



SF Series intelligence Flow Integrating Instruments applies to match with many kinds of flow meter sensor or transmitter for display or integrating signals of flow, temperature, pressure, etc.

Description

- Overview
- Function
- Technique Data
- Using Environment
- Power Consumption

Overview

SF Series intelligence Flow Integrating Instruments applies to match with many kinds of flow meter sensor or transmitter for display or integrating signals of flow, temperature, pressure, etc.

Function

Calculate and accumulate mass flow automatically; Calculate and accumulate standard volume flow automatically; Display instant and accumulate flow value simultaneously (totalizer unit are optional);

Switch the display among instant/accumulative flow value, differential pressure value, frequency value, temperature/pressure compensation measured value;

Set cutoff value for small flow signal (no accumulation when instant flow less than set value);

- Compensation: Automatic compensation for temperature/ pressure/both
- Signal input: Current: 0~10mA or 4~20mA, Voltage: 0~5V or 1~5V (or mV) and Resistance: thermal resistance PT100

- Analog output: Direct current: 0~10mA or 4~20mA output, load 0~500Ω

Direct Voltage: 0~5V or 1~5V output (load no more than 250Ω)

- Output signal switch: Output signal: 0~10mA / 0~5V, 4~20mA/1~5V

- Data storage and lock:

Set data permanent preservation after power off, then the accumulate flow value will be preserved permanently; set the parameter lock function, which could protect the set values of automatic compensation for temperature, pressure, or temperature and pressure by encipherment.

Technique Data

- Input signal

Analog input: Resistance: PT100; Current: 0~10mA or 4~20mA; Galvanic couple: K; E; Voltage: 0~5V, 1~5V (or mV)

- On-off input: start, stop, reset Range: photoelectric isolation input more than 4V (or customized)

- Output signal

Analog output: 0~10mA≤750Ω , 4~20mA≤500Ω 0~5V≤250Ω , 1~5mA≤250Ω

Using Environment

Ambient Temperature: 0~50°C Relative Humidity: ≤85%RH

Power Supply: AC 220V±15% (50Hz±2Hz)

AC 90~260V (Switch Power) DC 24V±2V (Switch Power)

Get rid of Strong Corrosive Gas

Power Consumption

≤ 5W (AC 220V power supply) , ≤ 4W (AC 90~260V switch power supply) ,

≤ 4W (DC 24V power supply)