

	Product Specifications		FZ01-300B3	1/3
	Display unit	Model	ASI-100 ASI-200	

1. Specifications

Model		ASI-100	ASI-200	
Calculation/communication		Sampling calculation method (Input response: Standard) Cyclic calculation method (Input response: Low speed)	ASSP serial communication method	
Display	Indicator	Reflective LCD		
	Display contents	Instantaneous value display/accumulated value display (total accumulation, excessive accumulation, short accumulation, trip accumulation, preset accumulation)/item display/unit display/operation display/status display * Instantaneous value and accumulated value are displayed by switching.		
	Instantaneous value display	Measurement accuracy	$\pm 0.02\%RD \pm 1$ digit	
		Displayed number of digits	4 digits/signed 3 digits	
		Display sampling	Standard 2 seconds, 0.25 to 10 seconds (20 steps)	
		Low cutoff function	Initial value: 2.5%F.S.	
	Accumulated value display	Measurement accuracy	$\pm 0.02\%RD \pm 1$ digit	
		Displayed number of digits	Total accumulated value: 8 digits Other accumulated value: 7 digits (excessive accumulation, short accumulation, trip accumulation, preset accumulation)	
Reset		Accumulated trip value only		
State judgment function		Window judgment / upper and lower limit judgment / clip / timeout / preset / flow cut		
Input	ch1	Input format: NPN open collector Current capacity: 5mADC or less ON-time residue voltage: 1V or less ON resistance: 200 Ω or less, OFF resistance: 100k Ω or more Wire length: 10m or less (AWG28) Input response (maximum frequency) Standard 1.1kHz Low speed: 50Hz	ASSP serial communication input ON-time resistance: 200 Ω or less, OFF-time resistance: 100k Ω or more Wire length: 10m or less (AWG28)	
	ch2	Input format: NPN open collector Current capacity: 5mADC or less ON-time residue voltage: 1V or less ON-time resistance: 200 Ω or less, OFF-time resistance: 100k Ω or more Wire length: 10m or less (AWG28) Input response Minimum ON width: 1s Minimum OFF width: 1s		
Output	Analog output	4 to 20mADC, maximum load resistance 520 Ω Total accuracy: $\pm 1.0\%F.S. \pm 1000ppm/^{\circ}C$		
	Open collector Output (2 systems)	Output format: NPN open collector Voltage capacity: 30VDC or less Current capacity: 10mADC or less ON-time residue voltage: 1V or less When frequency pulse is selected: Maximum frequency 1kHz When unit pulse is selected: Maximum frequency 50Hz (pulse width fixed to 10ms)		
	Other functions	Alert and upper/lower limit judgment		

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Model		ASI-100	ASI-200
*2 Power supply	Input voltage/current capacity	24V DC±10% 150mADC or more (including sensor-supplied power, 50mADC or less for this unit)	
	Current consumption	50mADC or less (excluding sensor-supplied power)	
	Sensor-supplied power	24V DC±10% 100mADC or less	
Wiring	Input	Applicable connector: e-con (supplied with the product) Twist: 0.08mm ² (AWG28) to 0.50mm ² (AWG20) Number of poles: 4	
	output	Output signal line harness 2m, 5m (optional) Number of poles: 5	
	Power supply	Connected to screwless terminal block Single line: Φ0.32mm (AWG28) to Φ0.65mm (AWG22) Twist: 0.08mm ² (AWG28) to 0.32mm ² (AWG22) Single line diameter Φ0.12mm or more Number of poles: 2	
Other functions	Structure	Indoor specification (equivalent to IP50)	
	Use environment	-10 to +50°C 35 to 90%RH (No dew condensation)	
	Storage environment	-20 to +60°C 35 to 90%RH (No dew condensation)	
Weight		Approximately 80g	

*1 When ordered with the flow sensor VN/VNS, e-con (connector) shall be assembled with the sensor at factory. However, the cable length shall be approximately 15 cm.

* 2 A power supply of 5W or more shall be prepared by the customer.

2. Installing ASI

DIN rail	Install ASI on a 35mm width standard DIN rail (in accordance with EN50022).
Panel	Attach the panel fittings (option) to a panel (of thickness 1 to 5mm) and install ASI to the panel.
VN series	Attach the installation adapter (supplied with the product) to the VN series or pipe and fix ASI on the adapter.
Piping	

3. Notes on Handling

- (1) Be sure to read the handling instructions before using the product.
- (2) Do not install the product where it is exposed to the direct sunlight or heat radiated from a heat source.
- (3) Do not install the product where water drops onto it or it is exposed to a spray of water.
- (4) If water can reach the product along the piping or cable, take a countermeasure against it.
- (5) Provide a maintenance space around the installation area.
- (6) It is recommended to electrically isolate power supply and receiving instruments from other equipment.
- (7) Separate the product from a noise source such as a power supply line.
- (8) When a force is applied to the cables, tie them using the square hole for a cable so that the force is not applied to the connector.

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4. Customer Specification Items

Check for each option required.

(e-con connector, installation adapter, and four screws are supplied with the product.)

- Output signal line harness 2m
- Output signal line harness 5m
- Panel fittings
- Rainproof casing

Specify the ASI setting values and sensor to connect.

- VN05, VNS05
- VN10, VNS10
- VN20, VNS20
- Specified by the customer (Consult us when you need special installation.)