
	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 $\Omega$ or less, OFF resistance: 100k $\Omega$ 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 $\Omega$ or less, OFF-time resistance: 100k $\Omega$ 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 $\Omega$ or less, OFF-time resistance: 100k $\Omega$ 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 $\Omega$ 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		

	Product Specifications		FZ01-300B3	2/3
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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 <sup>2</sup> (AWG28) to 0.50mm <sup>2</sup> (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 <sup>2</sup> (AWG28) to 0.32mm <sup>2</sup> (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.

 Reliability Creativity Service	Product Specifications	FZ01-300B3	3/3
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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.)