

# FC400-DAC-FA FC400-EIP-FA



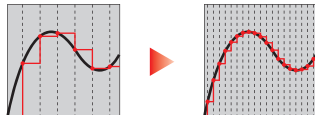
DIN-RAIL MOUNT DIGITAL INDICATOR



## High sampling rate & resolution

High-Speed A/D conversion and powerful digital processing capability of 2400 times/sec.

High display resolution of 1/100000 (max).



Measurement can be performed quickly and precisely due to high speed A/D conversion.

## Application software for USB interface

With communication through USB interface, logging, graph display, setting parameters, and calibration can be done.



## Compact size

It can be fit into a limited space!

Light weight & compact body for 35mm DIN rail mount.



## Digital Peak & Bottom hold. Upper and lower limit comparison

OK/NOK judgement in fast process can be made.

## Input conversion value display

The output signal level of load cell can be displayed in mV/V/ for monitor purpose.

Malfunction indicator or faulty sensor can be differentiated easily.

## 6-digit display

24bit A/D converter enables 6-digit display

## Specifications

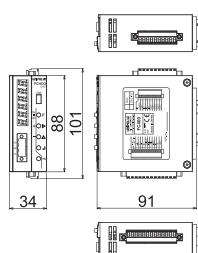
Analog	Excitation voltage	DC5V±5% Output current :90mA DC2.5V±5% Output current :45mA (depending on settings) Ratiometric method (Up to 6 350Ω load cells can be connected in parallel)
	Signal input range	−3.9 to 3.9mV/V
	Min. input sensitivity	0.15μV/count
	Accuracy	Non-linearity: within 0.01%FS Zero drift: 0.0002%FS/°C Typ Gain drift: 1ppm/°C Typ
	Filter	Digital low-pass filter 0.1 to 600 Hz Moving average filter OFF, 2 to 999 times
	A/D converter	Speed: 2400 times/sec Resolution: 24bit
Display	Display unit	Character height 8mm Numerical display by 7-segment green LED
	Display value	Up to 6 digits.
	Display frequency	Selectable from 3, 6, 13, 25 times/sec.
	Status display	MS, NS (Only for FC400-EIP-FA)
Hold	Sample, Peak, Bottom, Peak&Bottom, Average	
	Output signal (5)	Transistor's open collector output Vceo=30V, Ic=50mA
External signal	Input signal (3)	Selectable/configurable Input is ON when shorted to COM terminal by contact (relay switch, etc.) or non contact (transistor, open collector, etc.). *DC24V external power supply is required.
	Interface	
General specification	D/A converter (Voltage and current output) (FC400-DAC-FA) EtherNet/IP interface (FC400-EIP-FA) RS-485 interface (Selectable from Modbus-RTU or UNI-Format) (FC400-DAC-FA) USB interface	
	Power supply voltage	DC24V (±15%)
	Power consumption	3W typ (FC400-DAC-FA) 4W typ (FC400-EIP-FA)
	Operating conditions	Temperature: Operating temperature range: -10 to +50°C Storage temperature range: -20 to +85°C Humidity: 85%RH or less (non-condensing)
	Dimensions	34 (W)×88 (H)×91 (D)mm (Projections excluded)
	Weight	Approx. 210g (FC400-DAC-FA) Approx. 230g (FC400-EIP-FA)
Attachment	Quick manual...2	Jumper wire...2 Mini driver...1
	Various I/O connector ...FC400-DAC-FA:3, FC400-EIP-FA:2	
Accessories	CA81-USB: miniUSB-computer USB cable 1.8m	
	CN82: 10p connector for external I/O	
	CN85: 13p connector for power source/sensor	
CE MARKING CERTIFICATION	EMC directive EN61326-1 (FC400-DAC-FA)	

## Structure of product code

Model	Interface
FC400-DAC-FA	D/A converter (Voltage and current output), RS-485, USB
FC400-EIP-FA	EtherNet/IP, USB

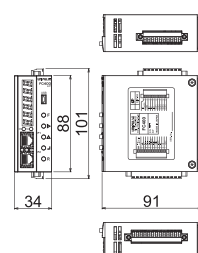
## External dimension

### ■FC400-DAC-FA



DIN-rail mount adapter

### ■FC400-EIP-FA



DIN-rail mount adapter

Unit:mm