

F340A

DIN96□ SIZE DIGITAL INDICATOR



- CE marking certification
- RoHS-compliant product
- Basic digital indicator model
Necessary functions adequately installed at low price.
- 100 times/sec high-speed processing
Installed with a high-speed A/D converter and a CPU that can process the sensor input to output data at a speed of 100 times/sec.
- High speed peak / sample hold
Uses its quick Peak / Sample Hold Function to immediately detect points requiring analog waveform.
- High/Low limit comparison function
The High/Low comparison function comes with hysteresis capability which prevents chattering and quickly generates an accurate comparison output.
- Equivalent input calibration function
Calibration can be carried out by only inputting the sensor's rated output without having to use the actual load.
- Analog monitor output
Voltage output is proportionate to the input signal making the recording on recorder convenient.
Approx. 2V per 1mV/V strain gauge input.

Specifications

ANALOG	Excitation voltage	DC10V or 2.5V±10%; Output current: within 30mA	
	Signal input range	-3.0 to +3.0mV/V	
	Equiv. input calibration range	+0.5 to +3.0mV/V	
	Zero adjustment range	-2 to +2mV/V Automatic adjustment by digital processing.	
	Gain adjustment range	+0.5 to +3.0 mV/V Automatic adjustment by digital processing.	
	Accuracy	Non-linearity within 0.02%/FS (at 3 mV/V input) Zero drift within 0.5 μV/°C Gain drift within 25 ppm/°C	
Analog filter		Low-pass filter (-6dB/oct)	
		Selectable from 4, 10, 100, 3kHz	
A/D converter	Speed100 times/sec	
	Resolution16 bit(binary) Approx. 1/30000 for 3.0 mV/V	
DISPLAY	Display unit	15 mm font height; 7-segment red LED numerals Sign: minus sign on most significant digit	
	Display value	5 digits numerals: ± 8.8.8.8.8. Indicated value: -19999 to +19999	
	Display frequency	Selectable from 3,6,13 and 25 times/sec	
	Status display	5 red LED display for HI, OK, LOW, PEAK, HOLD	
HOLD	Analog Peak Hold/ Sample Hold		
EXTERNAL SIGNAL	External Output Signal:	HI limit relay output (N/O), Low limit relay output (N/O) AC 250V 0.5A or lower, DC 30V 0.5A or lower	
	External Input Signal :	Digital zero signal input,hold signal input Ic=10mA or lower	
INTERFACE	-SIF : 2-wire serial interface		
	-232 : RS-232C communication interface(option)		
	-BCO : BCD parallel data output interface(option)		
	-DAV : D/A converter interface (Voltage output) option)		
	-DAI : D/A converter interface (Current output) option) (Only one option can be installed)		
GENERAL SPECIFICATIONS	Power supply voltage	AC 100 V to 240V (+10%-15%) (Free power source 50/60 Hz) DC 12 to 24 V (±15%) ※ For DC, please specify when ordering.	
	Power consumption	AC spec: 4W typ DC spec: 6W typ	
	Rush current (Typ)		
	AC spec:	20A, 1.0msec: AC100V average load condition (cold start at room temperature) 40A, 1.0msec: AC200V average load condition (cold start at room temperature)	
	DC spec:	20A, 0.5msec: DC12V average load condition (cold start at room temperature) 40A, 0.5msec: DC24V average load condition (cold start at room temperature)	
	Operation condition	Temperature	Operation temperature range: -10 to +40°C Storage temperature range: -40 to +80°C
		Humidity	85% RH or less (non-condensing)
	External dimension	96(W)x 96(H)x135(D)mm (not including protrusions)	
	Weight	App. 0.9 kg	
	ATTACHMENTS	AC input cord * (Nominal rating 125 V)3m.....1	BCD output connector.....1 (with BCD option)
AC input cord converter plug *.....1		Operation Manual.....1	
Mini driver.....1			
Ferrite core for sensor cable.....1		※ To be attached only for AC specification	
Ferrite core for AC input code *.....1			
OPTIONAL ACCESSORIES	CA325AC3P-B3	: AC input cord 3m	
	CA325AC3P-CEE7/7-B2	: AC input cord (Voltage resistance: 250 V) 2m	
	TSU01	: Lightning surge unit	
	TSU03	: DC lightning surge unit	
	CN3P-2P	: 3P-2P converter plug for AC input cord	
	CN35	: D-sub25p connector for RS-232C	
CN21	: BCD output connector		
CE MARKING CERTIFICATION	EMC Directive	EN61326-1	
	Safety Standard	EN61010-1 EN62311	

Structure of product code

F340A □ □
① ② ③

① Standard unit

② Power supply

Sign	Power supply
Standard	AC100 to 240V (Free)
DC	DC12 to 24V

③ Interface

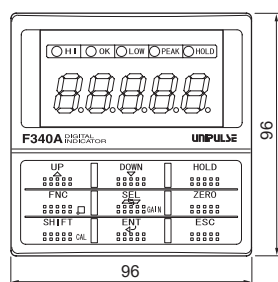
Sign	Interface
Standard	SI/F

↓ One optional interface can be added in addition the standard interface.

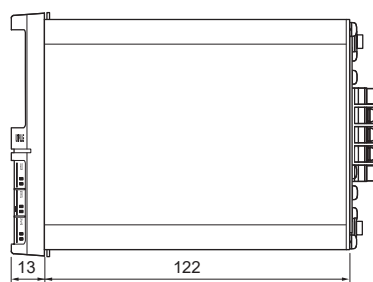
232	RS-232C communication interface
BCO	BCD output (Sink type)
DAV	D/A converter (Voltage output)
DAI	D/A converter (Current output)

External dimension

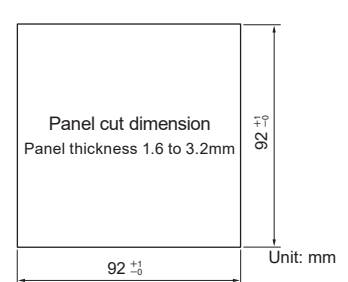
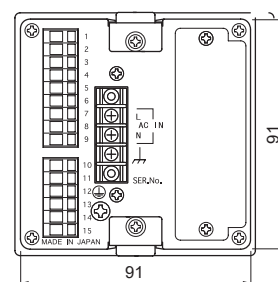
(Front View)



(Side View)



(Rear View)



Unit: mm