

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 μ V/°C Gain drift within 25 ppm/°C
	Analog filter	Low-pass filter (-6dB/oct) Selectable from 4, 10, 100, 3kHz
DISPLAY	A/D converter	Speed100 times/sec Resolution.....16 bit(binary) Approx. 1/30000 for 3.0 mV/V
	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
HOLD	Status display	5 red LED display for HI, OK, LOW, PEAK, 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 AC input cord converter plug ※.....1 (with BCD option) Mini driver.....1 Operation Manual.....1 Ferrite core for sensor cable.....1 ※ To be attached only for Ferrite core for AC input code ※.....1 AC specification
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
CE MARKING CERTIFICATION	CN21	: BCD output connector
	• EMC Directive	EN61326-1
	• Safety Standard	EN61010-1 EN62311

Structure of product code

340A □ □
① ② ③

① Standard unit

② Power supply

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

③ Interface

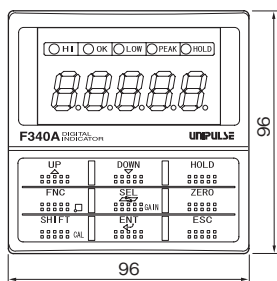
Sign	Interface
Standard	SI/F

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

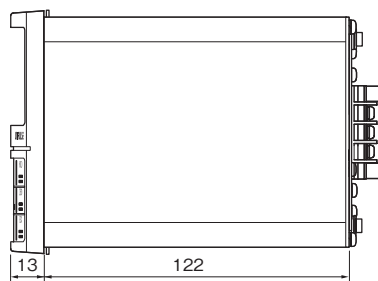
232	RS-232C communication interface
BCO	BCD output (Sink type)
DAV	D/A converter (Voltage output)
DAI	D/A converter (Current output)

External dimension

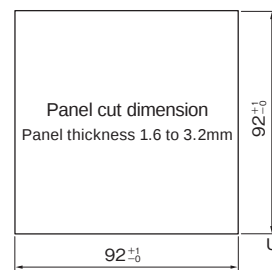
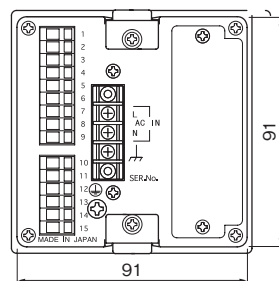
(Front View)



(Side View)



(Rear View)



Unit: mm