

Obsolete Product



Recommended substitute product

Digital indicator
F370

Digital indicator
F372A

■ Obsolete date Dec. 2013

■ Difference to recommended substitute product

Product appearance	Specification	External dimension	Attachment dimension	Interface
☆	☆	○	◎	☆

◎ : Fully compatible ○ : Minor change ☆ : Major change

■ **Product appearance**

Obsolete Product F370	Recommended substitute product F372A

■ **External dimension**

Obsolete Product F370	Recommended substitute product F372A
<p>Unit: mm</p> <p>Front</p> <p>Rear</p> <p>Side</p>	<p>Unit: mm</p> <p>Front</p> <p>Rear</p> <p>Side</p> <p>No changes on Panel Dimension</p>

■ Specifications		< Differences >	
		Obsolete Product F370	Recommended substitute product F372A
Analog section	Connection method	Screw terminal block Crimp connector	Terminal block Stripped cable wires Wiring needs to be redone (when switched to F372A).
	Excitation voltage	DC 10V, 5V, 2.5V	DC 10V, 2.5V Please set the excitation voltage to 2.5V instead, in case you have been using 5V with F370.
	A/D converter	Resolution : 16bit (1/10000 per 1mV/V)	Resolution : 24bit (1/10000 per 1mV/V)
	Analog filter	10Hz, 30Hz, 100Hz, 300Hz	30Hz, 100Hz, 300Hz, 1000Hz
	Analog monitor output	None	Approx. 2V per 1mV/V of input LoadLoad resistance
Display section	Display unit	STN color LCD	TFT color LCD
	Display area	75 (W) × 56 (H) mm	71 (W) × 53 (H) mm
	Display frequency	1 to 10 times/sec.	5 times/sec. It is a fixed rate, but the monitor response time has been greatly improved with the characteristics of new display panel.
	Contrast	Necessary Adjustment	Unnecessary Adjustment
	Backlight	Two levels (Light on · Light out)	Three levels (Bright · Dark · Light out)
	Minimum scale	1 to 100	1, 2, 5, 10, 20, 50, 100
Hold function	Kind of hold	Sample hold Peak hold Valley hold P-P hold Relative maximum hold Relative minimum hold Inflection point hold Average hold	Sample hold Peak hold Valley hold P-P hold Relative maximum hold Relative minimum hold Inflection point hold Average hold Relative difference hold
	Multi-hold	Subject mode : Comparison, Hold	Subject mode : Comparison, Hold, Graph Either different or the same Graph mode configuration can be applied to each "Work" setting.

■ Specifications		< Differences >	
		Obsolete Product F370	Recommended substitute product F372A
External signal	Connection method	Screw terminal block Crimp connector	Rectangular connector Cable wires needs to be soldered. Wiring needs to be redone (when switched to F372A).
	Input	8 points CODE0, CODE1, CODE2, CODE3, T/H, H/M, DZ, ST/SP	10 points WORK0, WORK1, WORK2, WORK3, T/H, SECTION, DZ, GRAPH TRIG, CAL0, CAL1
	Output	6 points HH, HI, OK, LO, LL, H/E	8 points HH, HI, OK, LO, LL, H/E, RUN, EVENT
	Alarm mode	HH and LL signals are used as alarm signals as well (no separate output for HH/LL and alarm signals).	The RUN signal corresponds to alarm status (a separate output signal f independent of HH and LL output). The RUN signal output is turned OFF (and will be kept OFF) when sensor or calibration errors occur as well.
	Output type	Sink type (NPN output)	Sink type (NPN output) Source type (PNP output) ※ If needed, please request for source (PNP) type when ordering.
RS-232C	Availability	as option	as standard
	Connection method	Dsub25 pin connector	Circular DIN 8p connector for RS-232C Wiring needs to be redone (when switched to F372A).
	Baud rate	1200, 2400, 4800, 9600, 19200 bps	9600, 19200, 38400, 57600 bps
BCD option	Connection method	Amphenol connector Cable wires needs to be soldered.	Rectangular connector Cable wires needs to be soldered. A F370/F372A conversion cable, CA600-BCDCNV is available as an optional accessory.
D/A converter option	Output type	Voltage and current It comes with both voltage and current output.	Voltage or current Either voltage or current output needs to be selected when ordering (only one of them). Sorry, don't use both voltage output and current output. Please specify either voltage output and current output when ordering.
RS-485 option	Availability	Available	Not available We are sorry for the inconvenience. Please consider other communication interfaces.

■ Specifications		< Differences >	
		Obsolete Product F370	Recommended substitute product F372A
General specifications	Power supply voltage	AC100V ~ AC240V (+ 10% - 15%) Power consumption : 12W(max)	AC version is not available. If AC power has been used with the F370 in the past, an AC/DC converter is additionally required for the F372A. Never supply AC power to the F372A, as it would cause a serious damage on the product.
		DC12V ~ DC24V (± 15%) ※ Please specify when ordering Power consumption 20W(max)	DC24V (± 15%) Power consumption 18W(max)
	Operating conditions	Humidity : 80%RH or less (non-condensing)	Humidity : 85%RH or less (non-condensing)
	External dimension	100 (W) × 96 (H) × 138 (D) mm (not including projections)	96 (W) × 96 (H) × 138 (D) mm (not including projections)
Attachment		<ul style="list-style-type: none"> • Operation manual 1 • Pressure terminal for external I/O terminal stand22 • AC supply cord* 1 • BCD connector (when BCD output option is installed)1 • Mini driver (when D/A converter,RS-485 option is installed) 1 • DeviceNet connector (when DeviceNet option is installed) 1 • CC-Link connector (when CC-Link option is installed) ... 1 • Ferrite core* 1 * : Included only for AC specifications	<ul style="list-style-type: none"> • Operation manual 1 • External I/O connector 1 • BCDconnector (when BCD output option is installed)1 • Mini driver (when D/A converter option is installed) 1 • DeviceNet connector (when DeviceNet option is installed) 1 • CC-Link connector (when CC-Link option is installed) ... 1

■ F372A About a new function

Designed so as to be able to perform more operations than the F370 by selecting the following functions from the Expansion menu.