

Nov. 2013

Obsolete Product



Recommended substitute product

Digital indicator

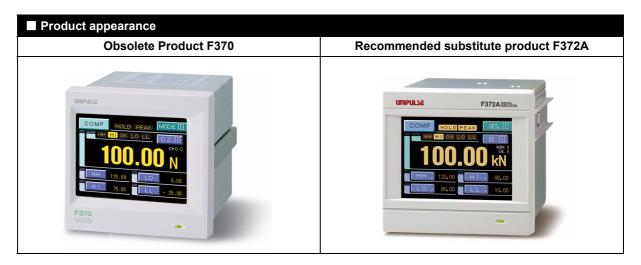
F372A

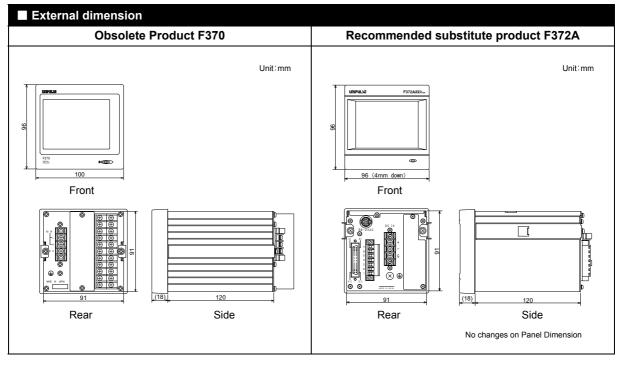
Digital indicator

F370

- Obsolete date Dec. 2013
- Difference to recommended substitute product

Product appearance	Specification	External dimension	Attachment dimension	Interface
☆	☆	0	0	☆







		Obsolete Product F370	Recommended substitute produc 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 LoadLoa resistance
Display	Display unit	STN color LCD	TFT color LCD
section	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 respons 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, Grap Either different or the same Graph mode configuration can be applied to each "Work" setting.



Specific	cations		< Differences >
		Obsolete Product F370	Recommended substitute produc F372A
External signal	Connection method	Screw terminal block Crimp connector	Rectangular connecter Cable wires needs to be soldered.
			Wiring needs to be redone (when switched to F372A).
	Input	8 points	10 points
		CODE0, CODE1, CODE2, CODE3, T/H, H/M, DZ, ST/SP	WORK0, WORK1, WORK2, WORK3, T/H, SECTION, DZ, GRAPH TRIG, CAL0, CAL1
	Output	6 points	8 points
		HH, HI, OK, LO, LL, H/E	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 (an 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) in the second of the second output) in the second output
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 connecter 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
RS-485	Availability	Available	ordering. Not available
option	Availability	Availabic	We are sorry for the inconvenience. Please consider other communication



■ Specifi	cations	Observato Product	< 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 or 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) \times 96 (H) \times 138 (D) mm (not including projections)	96 (W) \times 96 (H) \times 138 (D) mm (not including projections)
Attachment		Operation manual	Operation manual

■ 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.