

FC SERIES INTEGRATOR

DATA SHEET

PKE

This is a 6-digit analog integrator which displays an integral upon receiving FC SERIES signals or signals from slide rheostat.

FEATURES

- 1. Accuracy of ±0.5%.
- 2. A variety of integral levels are available for free choice, optimum for process lines.
- 3. The instrument permits transmitting pulses up to 10 times as many as the integral level selected.

The integrator can easily be connected to a computer through a remote data transmission system. The output stage is prepared in three types for optional choice in accordance with practical requirements.



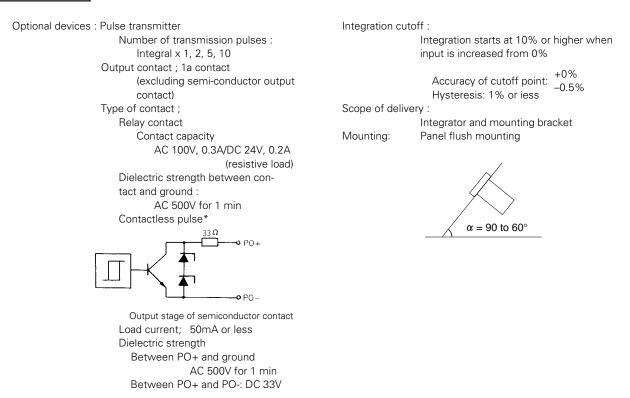
SPECIFICATIONS

Measuring signal :FC SERIES signal DC 1 to 5V DC 4 to 20mA									
Wiring resistance:5 Ω or less per wire									
	Circuit resistance adjustment unneces								
	sary (for slide rheostat)								
Input resistance	:1MΩ (DC 1 to 5V)								
	250Ω (DC 4 to 20mA)								
Allowance	:								
	<u>`</u>	it 5 to 10		Input less than 5%					
	Within $\pm 0.5\%$ of rating Within $\pm 1\%$ of rati								
	Rated value means the theoretical								
	value to be obtained when 100% input								
	is continuously applied and integrated.								
Display mode	, 0								
	(with click-touch reset pushbutton)								
Integral level	:Value to be integrated for 1 hour at								
			uously applied and integrated. -digit electromagnetic counter -touch reset pushbutton) e integrated for 1 hour at						
0	100% i	nput:							
0	100% i 50	nput: 100	200	250	300	400			
Ū		•	200 750	250 800	300 900	400 1000			
U U	50	100							

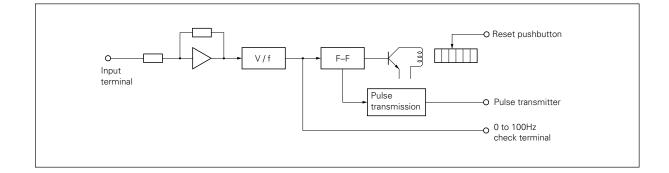
Power supply	:DC24V (20 to 30V or
	AC 100V 10%, 50/60 Hz)
Power consump	tion:
	Approx. 6W (DC 24V)
	Approx. 9VA (AC 100V)
	(including power consumption by pulse
	transmitter)
Power indicator	lamp:
	Rectangular green LED
Ambient temper	rature:
	0 to 45°C
Ambient humidi	ty:
	90% RH (MAX)
Enclosure	:Steel case
External dimens	ions (HxWxD):
	144 x 72 x 400 mm (casing) + terminal
	board
Mass (weight)	:Approx. 4.5kg
Finish color	:Munsell 7Y 7.3/1.4

Fuji Electric Systems Co., Ltd.

PKE



BASIC OPERATING PRINCIPLE DIAGRAM

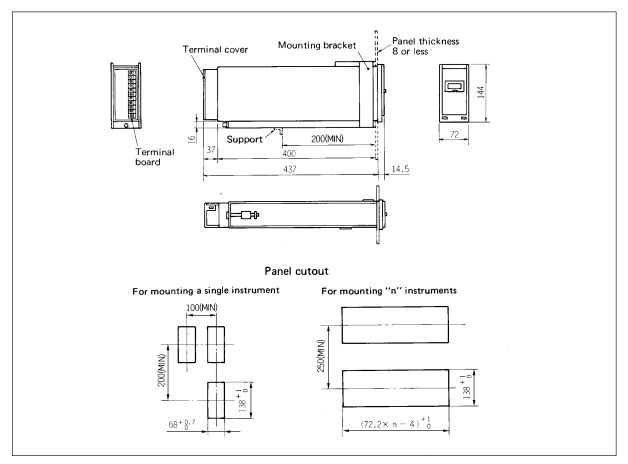


CODE SYMBOLS

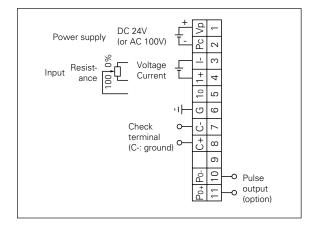
1 2 3 4 5 6 7 8	9	10								
РКЕ 2-	· 🗌		Description							
			Allowance							
1			±0.5%							
			Input signal							
А			DC 1 to 5V DC 4 to 20mA							
			Integral level							
			Integral per hour at 100% input							
			Code	Integral	Code	Integral	Code	Integral		
			V	50	F	500	Ν	1200		
v]]			W	100	G	600	R	1500		
` 		{	A B	200 250	J K	750 800	S T	1600 1800		
			C	300		900	U	2000		
		ļ	E	400	М	1000				
<u> </u>			Power su	pply						
1			DC 24V							
3	+		AC 100V							
	0		Integration None	on cutoff						
	1		····· Cutoff at 10%							
	Ч	1	Pulse transmitter							
			Pulse wid	Pulse width (make time) : 80 to 200ms						
			Multi-	Turp	~	Specifications for contact				
			plica- tion	Тур	e		Specifications for contact			
		A	1	Relay c	Relay contact		Contact capacity:			
		в	2				DC 24V, 0.2A, DC48V, 0.1A			
		C	5			AC 100V, 0.3A, AC 200V, 0.15A • Service life: Mechanical 50 million				
						operations, electrical 10 million operations				
		D	10	•		Dielectric strength: AC 1000V for 1 min				
	*	J	1	Control		betwe	en conta	act and gro		
		- I] '	Contactless pulse		Dielectric strength				
	*	к	2	puise "		P0+ Between PO+ and ground:				
						0V for 1 min				
	Î	L	5		"					
	*	м						· •		
			10	н		Load current: 50mA			current: 50mA	
		Y	None							
	L									

* Asterisked (*) items: Nonstandard

OUTLINE DIAGRAM (Unit : mm)



CONNECTION DIAGRAM



⚠ Caution on Safety

*Before using this product, be sure to read its instruction manual in advance.

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