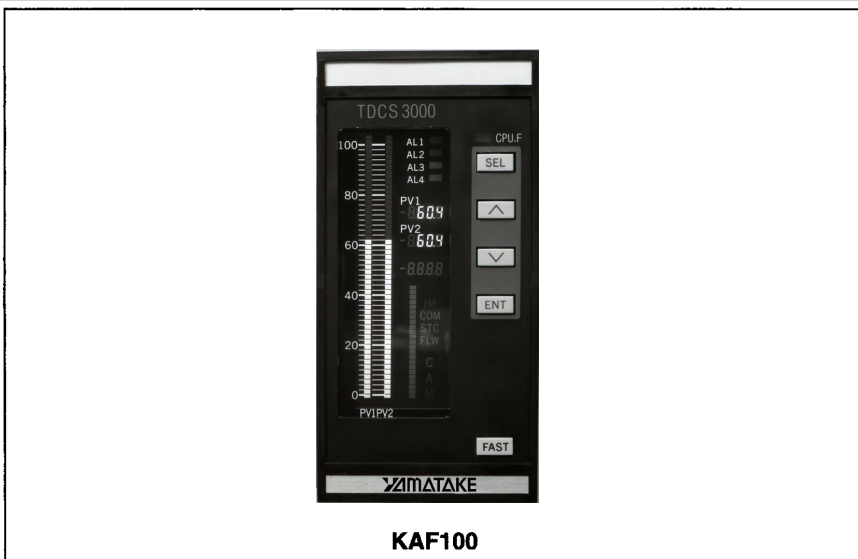


TDC 3000 SSC II Indicator Model KAF 100

Introduction

The TDC 3000 SSC II Indicator (KAF) is a microprocessor-based, two-pen indicator that can simultaneously display bar graphs and digital values in percentages or engineering units.

The KAF provides square-root extraction and monitor function for each input point. A maximum of four setting are available for monitor functions and two inputs can be assigned. The instrument also accommodates front panel alarm lamp displays and contact outputs to external monitors.



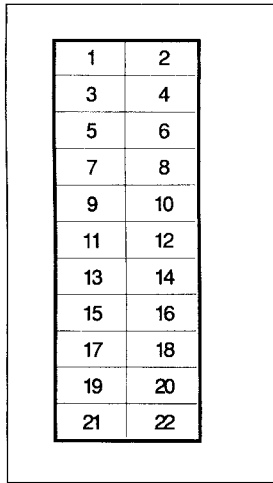
Standard Specifications

Item		Description
Display section	Input display	Number of inputs 2 points (PV1 : green, PV2 : red)
		Display system Simultaneous bar graph (in color LCD) and digital value displays (Bar graph : 53 segments, digital value : 7 segments)
		Indicating accuracy Digital indication : $\pm 0.15\%$ FS ± 1 digit, bar graph resolution : 2%
	Alarm display	4 points in color LCD
	Instrument failure display	1 point, LED lamp
Input section	Number of inputs	2 points
	Input voltage	1 to 5 Vdc
	Input impedance	Power-on : 5M Ω , power-off : 60k Ω
	Receiving system	Differential type receive, not isolated
	Allowable input overvoltage	± 30 Vdc maximum
Output section	Number of outputs	5 points (monitor outputs : 4 points, instrument failure: 1 point)
	Output system	Transistor output (open-collector)
	Contact rating	30 Vdc, 0.2A dc maximum (resistive load)
General specifications	Power supply	24 Vdc $\pm 15\%$, -10%
	Power consumption	400mA dc maximum (24 Vdc)
	Signal line connection	Instrument back-panel terminal connection. Connecting line diameter: 1.25mm ² maximum
	Power interruption/failure	16 Vdc or over, within 200ms (with STX type power supply) Data holding at power interruption: Backup by EEPROM · Engineering unit data settings (decimal point position, upper/lower limit values) · Monitor setting data (monitor function, setting values, hysteresis)
	Ambient temperature	0 to 50°C
	Ambient humidity	10 to 90%RH
	Installation	Panel flush mount, indoor installation
	Mounting angle	Instrument back can be slanted 60° from horizontal position
	Finish	Case: Dark beige Bezel: Black
	Weight	3.0kg

Model number table

Basic model no.	Selections	Options	Description
KAF100	-0		2-point indicator
			24Vdc
		-X	No option

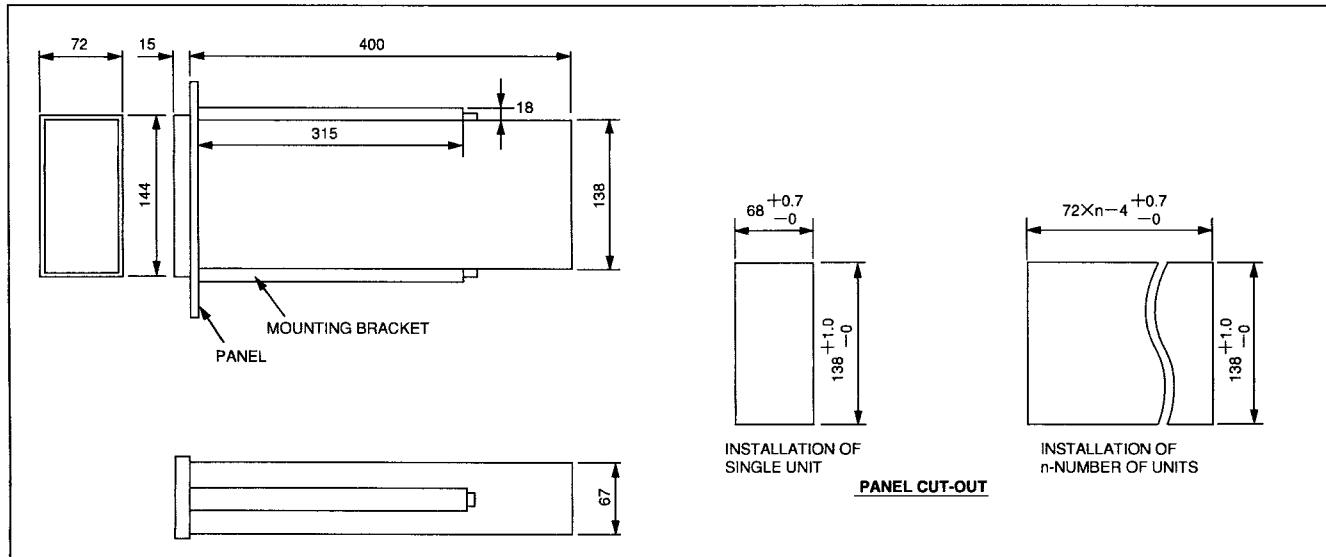
Connection



No.	Symbol	Contents
1	+24V	Instrument main power (+)
2	+24V	
3	-	-
4	-	-
5	-	-
6	-	-
7	PV1+	1-5V dc input (+)
8	PV1-	1-5V dc input (-)
9	PV2+	1-5V dc input (+)
10	PV2-	1-5V dc input (-)
11	0V	For power, CPU, F-common, AL1-AL4 common
12	0V	

No.	Symbol	Contents
13	AL1	Monitor output #1
14	AL2	Monitor output #2
15	AL3	Monitor output #3
16	AL4	Monitor output #4
17	-	-
18	CPU.F	Instrument failure output
19	-	-
20	-	-
21	GND	Chassis ground
22	GND	

Dimensions



Ordering Information

When ordering, please specify :

- 1) Model No.
- 2) Scale range
- 3) Tag No.

• All other brand and product names shown are trademarks of their respective owners.

Specifications are subject to change without notice.

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