

ZEST-2000

ANALOG SIGNAL PROCESS UNIT

The ZEST-2000 series isolation modules have two output channels that are fully isolated. This will greatly increase the flexibility in designing process monitoring system and reduce the over all cost. Customers can use one of the outputs for input of process monitoring computer system and use the rest for event recording or control system at the field. At the same time, it is very easy to design dual mutual stand-by system using single sensors.



WARNING



Power Switch



ORDERING CODE

Model	Suffix code	Detail
ZEST2000 -	□ □ - □	Base module
Module point	08	8point
	16	16point
Wiring input/Output	T	M3.5 Screw terminal / M3.5 Screw terminal
	C	M3.5 Screw terminal / 35pin connector
Power supply voltage	1	110V AC 50~60Hz
	2	220V AC 50~60Hz

SPECIFICATIONS

Module point	8point, 16point	
Wiring	M3.5 Screw connector, 36pin connector	
Mount	Wall mount	
Power supply voltage	110V AC $\pm 10\%$, 220V AC $\pm 10\%$ 50~60Hz	
Material	Case	SPC
	PCB	Glass epoxy
	Screw terminal	Brass(Nikel plated)
	Terminal molding	PBT

COMMUNICATION MODULE SPECIFICATIONS

【ANALOG INPUT】

Channel:MAX 16 channel
Input Range:1~5V
A/D Resulation:16bit
Output Range:1,000~5,000V
Sampling rate:100KHz

【COMMUNICATION】

Communication interface:RS-422A
RS-485
Communication Speed:1200bps~38400bps
Date format:upload up to 0.001V
Date bit:7bit or 8bit
Stop bit:1or 2bit
Communication option set:DIP S/W
Rotary S/W



DC 2000 INPUT ISOLATION MODULE

The DC2000 Series isolation modules input, output channel-1, channel-2 and power input are fully isolated from each other. This will prevent false signals due to ground loop currents and damage to computer system due to high common mode voltage



SPECIFICATIONS

MODEL NUMBER	NAME	INPUT SIGNAL	ACCURACY	OUTPUT SIGNAL	
				1st out	2nd out
DC 2001	Thermocouple input module	Any standard T/C types including J,K,X,R TYPE	$\pm 0.25\%$	1-5V / 1-5V 0-5V / 0-5V	1-5V / 4-20mA
DC 2002	RTD input module	Any standard RTD types including pt100, pt1000	$\pm 0.15\%$	1-5V / 1-5V 0-5V / 0-5V	1-5V / 4-20mA
DC 2003	DC signal input module	0-10V, 0-5V 1-5V, 4-20mA	$\pm 0.1\%$	1-5V / 1-5V 0-5V / 0-5V	1-5V / 4-20mA
DC 2004	POWER DISTRIBUTOR input module	4-20mA	$\pm 0.1\%$	1-5V / 1-5V	
DC 2005	POTENTIOMETER input module	Resistance 100 Ω min 10k Ω max	$\pm 0.15\%$	1-5V / 1-5V 0-5V / 0-5V	1-5V / 4-20mA