

Standard Specifications

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Construction	Mounting	Flush panel mounting (on a vertical plane) Mounting may be inclined downward up to 30 degrees from a horizontal plane.		
	Allowable panel thickness	2 to 26 mm		
	Front panel	Water and dust-proof (based on IEC529-IP65 and NEMA No.250 TYPE4)		
Input	Number of inputs	DX1000	2, 4, 6, 12 channels	
		DX2000	4, 8, 10, 20, 30, 40, 48 channels	
	Measurement interval	DX1002, DX1004, DX2004, DX2008	125 ms, 250 ms, 25 ms (fast sampling mode)	
		DX1006, DX1012, DX2010, DX2020, DX2030, DX2040, DX2048	1 s (Not available when A/D integration time is set to 100 ms), 2 s, 5 s, 125 ms (fast sampling mode*) * A/D integration time is fixed to 1.67 ms in case of fast sampling mode.	
	Inputs	DCV	20, 60, 200 mV, 2, 6, 20, 50 V, 1-5 V	
		TC	R, S, B, K, E, J, T, N, W, L, U, WRe	
		RTD	Pt100, JPt100	
		DI	Contact input, TTL level	
		DCA	With external shunt resistor attached	
	Input	Range	Measurement accuracy (when the integration time is 16.7 ms or more)	Display resolution
	DCV	1-5 V	± (0.05% of rdg+3 digits)	1 mV
	Thermocouple*	K * Does not include the accuracy of reference junction compensation	± (0.15% of rdg+0.7°C)	0.1° C
Resistance thermometer detector	Pt100	± (0.15% of rdg+0.3°C)	0.1° C	
Display	Display unit	DX1000	5.5-inch TFT color LCD (320 x 240 pixels)	
		DX2000	10.4-inch TFT color LCD (640 x 480 pixels)	
	Display group	Number of display	DX1000: 10 groups, DX2000: 36 groups	
		Number of assignable channels for one group	DX1000: 6 channels, DX2000: 10 channels	
	Display color	Trend/Bargraph	Selectable from 24 colors	
		Background	White or black selectable	
	Trend display	Trend display type	Vertical, horizontal, landscape, horizontal split or circular* selectable * Circular display is only for DX2000.	
	Bargraph display	Direction	Vertical or horizontal selectable	
	Digital display	Display renewal rate	1 s	
	Overview display	Number of indication channels	Measuring values and alarm status of all channels	
	Information display		Alarm summary, message summary, memory information, report information, relay status, Modbus status	
	Tag display	Number of displayable characters	Tag number: Max. 16 characters Tag comment: Max. 32 characters	
		Displayable characters	Tag number: Alphanumerics Tag comments: Alphanumerics, Japanese, and Chinese	
	Message display	Number of characters	Max. 32 characters	
		Number of messages	100 messages (including 10 free messages)	
	Historical display function		Display the retrieved data (display data or event data) from internal or external memory.	
	Custom display function	User can change display object (trend, numeric, and bar graphs, etc.) sizes and attributes, and add objects freely to create screens.		
		Number of screens	28 (3 from internal memory, 25 from external media (CF))	
		Max. number of placeable display objects	132 (normal: 80, scale: 4, trend: 4, list: 4, graphic: 40)	
	Data Saving Function	External storage medium	Medium	CompactFlash memory card (CF card)
Internal memory		Medium	Flash memory	
		Capacity	400 MB	
	Max. number of files can be saved	400 files (total number of display data file and event data file)		
Alarm Function	Number of alarm levels		Up to 4 levels for each channel	
	Alarm types		High and low limits, differential high and low limits, high and low rate-of-change limits and delay high and low	
	Alarm annunciator function		Alarm display based on alarm sequence, and relay output operation. Supported alarm sequences: 3 (ISA-A-4, ISA-A, ISA-M)	
Event Action Function	General		Particular action can be executed by particular event.	
	Number of event action		40 actions can be set	
Security Functions	General * * Please refer the Advanced security function option (AS1) for the models with the /AS1 option.		Login function or key lock function can be set for each key operation or communication operation.	
	Key lock function		On/off and password can be set for each operation key and FUNC operation.	
	Login function		User name and password to login can be set.	
Clock	Clock		With calendar function (year of grace)	
	Clock accuracy		± 10 ppm, excluding a delay (of 1 second, maximum) caused each time the power is turned on.	
	DST function (summer/winter time)		The time at which the daylight savings time adjustment is automatically calculated and configured.	
Communication Function	Connection		Ethernet (10BASE-T)	
	Protocols		TCP, UDP, IP, ICMP, ARP, EtherNet/IP, DHCP, HTTP, FTP, SMTP, SNMP, Modbus, DX private	
	Communication function		E-mail function, FTP client function, Transferred data file, FTP server function, Web server function, SNMP client function, SNMP server function, DHCP client function, Modbus client function, Modbus server function	
	EtherNet/IP server		Connects to EtherNet/IP networks as an adapter (server).	
Batch Function	Overview		Data display and data management with batch name, text field function and batch comment function are available.	
Power Supply	Rated power supply		100 to 240 VAC (automatic switching)	
	Allowable power supply voltage range		90 to 132 or 180 to 264 VAC	
	Rated power supply frequency		50/60 Hz (automatic switching)	
	Power consumption	DX1000	60 VA (max., for 240 VAC power supply)	
DX2000		100 VA (max., for 240 VAC power supply)		
Normal Operating Conditions	Power voltage		90 to 132 or 180 to 250 VAC	
	Power supply frequency		50 Hz ± 2%, 60 Hz ± 2%	
	Ambient temperature		0 to 50° C	
	Ambient humidity		20% to 80% RH (at 5 to 40° C)	