Specifications

See the general specifications (GS 04L01A01-00E and GS 04L02A01-00E) for the detailed specifications.

Standard Specifications

■ General Specifications

Embedded panel (vertical panel) The attachment angle may be slanted 30° to the rear. Left-right horizontal. 2–26 mm

Attached panel thickness: Materials

2–26 mm Case:Steel

Materials

Case:Steel
Bezel:Polycarbonate
Front filter:Polycarbonate
Paint colors

Bezel:Charcoal gray light (Munsell 10.0B 3.6/0.3 or equivalent)
Case:Grayish blue-green (Munsell 2.0B 5.0/1.7 or equivalent)
Front panel dustproof/water resistance specifications:
Compliant with IEC529-IP65
Compliant with NEMA No. 250 TYPE4 (except icing test)

■ Input unit

Number of inputs and measurement periods

Model	Inputs	Measurement period	Event file sampling period	
DX102	2	125 ms	125,250,500 ms,	
DX104	4	125 1115	1,2,5,10,30,60,120,300,600 s	
DX106	6	1 second (2 seconds for A/D	1,2,5,10,30,60,120,300,600 s	
DX112	12	integration time of 100 ms)	1,2,3,10,30,60,120,300,600 \$	
DX204	4	125 ms	125,250,500 ms,	
DX208	8	125 1115	1,2,5,10,30,60,120,300,600 s	
DX210	10	4 1 (0 1 (1 / 1		
DX220	20	1 second (2 seconds for A/D integration time of 100 ms)	1,2,5,10,30,60,120,300,600 s	
DX230	30	integration time or ree me)		

Measurement range

Input type	Range	Measuring range			
20 mV		-20.00 to 20.00 mV			
	60 mV	-60.00 to	60.00 mV		
DCV	200 mV	-200.0 to	200.0 mV		
DCV	2 V	-2.000 to	2.000 V		
	6 V	-6.000 to	6.000 V		
	20 V	-20.00 to	20.00 V		
	50 V	-50.00 to	50.00 V		
	R *1	0.0 to 1760°C	32 to 3200°F		
	S *1	0.0 to 1760°C	32 to 3200°F		
	B *1	0.0 to 1820°C	32 to 3200°F		
	K *1	-200.0 to 1370°C	-328 to 2498°F		
TC	E *1	-200.0 to 800°C	-328.0 to 1472.0°F		
10	J *1	-200.0 to 1100°C	-328.0 to 2012.0°F		
	T *1	-200.0 to 400°C	-328.0 to 752.0°F		
	N *1	0.0 to 1300°C	32 to 2372°F		
	W *2	0.0 to 2315°C	-328.0 to 4199°F		
	L *3	-200.0 to 900°C	-328.0 to 1652.0°F		
	U *3	-200.0 to 400°C	-328.0 to 752.0°F		
RTD *5	Pt100 *4	-200.0 to 600°C	-328.0 to 1112.0°F		
KID "	JPt100 *4	-200.0 to 550°C	-328.0 to 1022.0°F		
	DCV input	OFF: less than 2.4 V	OFF: less than 2.4 V		
DI	(TTL)	ON: more than 2.4 V			
	Contact input	Contact on/off			

¹¹ R, S, B, K, E, J, T, N: IEC584-1 (1995); DIN IEC584, JIS C 1602-1995 ¹² W: W-5%, Rd/W-26% Rd (Hoskins Mig. Co.), ASTM E988 ¹³ L: Fe-Cuni, DIN43710, U: Cu-Cuni, Din43710 ¹⁴ PH00: JIS C 1604-1997, IEC 751-1995, DIN IEC751-1996, JP100: JIS C 1604-1989, JIS C 1606-1989 ¹⁵ Measuring current: I = 1 mA

Thermocouple burnout : Detector ON/OFF switching Burnout upscale/downscale switching

Calculations

Differential calculation : The difference between any two channels can be calculated Calculable inputs : DCV, TC, RTD

Linear scaling:
Scalable inputs: DCV, TC, RTD
Scalable range: -30,000 to 30,000

Square root:
Scalable input: DCV
Scalable range: -30,000 to 30,000

■ Display

DX100: 5.5-inch color TFT LCD (320 \times 240 pixels) DX200:10.4-inch color TFT LCD (640 \times 480 pixels)

* Some LCD display pixels may remain constantly on or constantly off, and brightness variations may occur due to the properties of the liquid crystal. Please note that this does not mean the display is broken.

Trend/bar graph display colors

Background: Status display:

DX100: Any of 12 colors
DX200: Any of 16 colors
White or black
Display group name, login user name (when using login
function), time (year/month/date, hour:minute:second), batch
name (with /BT1), recording operation, memory status, media
status, calculation status, key lock status, email status, main

Display types:

alarm display
Measurement data display (trend display, digital display, bar
graph display), overview display, information display (alarm
summary, message summary, memory summary), historical

Trend display:

summary, message summary, memory summary), nistorical display Number of screens: 4 (4 groups) Number of display channels: DX100: Up to 6 channels per screen or all channels DX200: Up to 10 channels per screen or all channels Waveform update rates: DX102, DX104: 15/30 seconds; 1/2/5/10/20/30 minutes; 1/2/4/10 hours/div DX106, DX112: 1/2/5/10/20/30 minutes; 1/2/4/10 hours/div DX204, DX208: 15/30 seconds; 1/2/5/10/20/30 minutes; 1/2/4/10 hours/div

2/4/10 hours/div DX210, DX220, DX230: 1/2/5/10/20/30 minutes; 1/2/4/10

Direction: Vertical or horizontal Thickness: 1, 2, or 3 dots Scale:DX100: 6 DX200: 10

Other displayed information:

Message display:Display of messages input through key input, communication, or remote input
Digital value display, tripline, grid, hour:minute, update rate
Number of screens: 4 (4 groups)
Number of display channels:
DX100: Up to 6 channels per screen or all channels
DX200: Up to 10 channels per screen or all channels
Update rate: 1 second
Display contents:
Measurements, channel/tag names, units, alarm statuses

Bar graph display

Number of screens: 4 (4 groups)
Number of display channels:
DX100: Up to 6 channels per screen or all channels
DX200: Up to 10 channels per screen or all channels
Update rate: 1 second
Direction: Vertical or horizontal
Scale: 4 to 12

Scale: 4 to 12
Reference position:
Edge or center (only during horizontal display)
Display contents:
Measurements, channel/tag names, scale upper/lower limits,
units, alarm statuses, upper/lower limit alarm points

Overview display Update rate: 1 second

Display contents: Measurements and alarm statuses on all channels

Information display

Display types: Alarm summary, message summary, memory information, etc.

Split screen display (DX200)

Display contents:

Lispiay contents:

The screen is divided into four windows. Any display type/display group may be displayed in the windows from measurement data display or information display.

Number of stored display types: 4 maximum

Function:

Redisplay of data from interest management and in the state of the state

Data reference functions

Redisplay of data from internal memory or removable storage

media

Display data: Display data files, event data files Display layout: Split screen (two parts) or full screen Time-axis actions: Reducing, enlarging, scrolling

■ Storage functions

Digital display

The following removable storage media options are available when ordering a system:

• 3.5-inch floppy drive (2HD)

• Zip drive (100MB)

• CompactFlash memory card (CF+Adapter) Removable storage media:

File types

The following data are saved on removable storage media:

File type	Data contents	Format
Display data	Maximum and minimum values in the waveform update period, from data sampled in the measurement period	Binary
Event data	Instantaneous values sampled in specified sampling period	Binary
Manual sample data	Instantaneous values for each key input or contact input	ASCII
Statistical calculation (TLOG) data*	Data at TLOG time-out	Binary
Report data*	Data at report time-out	ASCII
Settings file	Settings for set mode/setup mode	ASCII

^{*} When using calculation option (/M1)

Data saving period: Display data: Linked to waveform update rate Event data: Specify the sampling period.

Event data file trigger:

Measurement data file combinations:

The following combinations of display data files and event files are permitted:

• Display data file only
• Event file (trigger, rotate, free) only
• Display data file + event file (trigger, rotate)

Display data: Measurement data: 4 bytes/record Calculation data: 8 bytes/record Event data: Event data: :Measurement

data:2bytes/record Calculation data: 4 bytes/record

Display data files only

Display updating (min/div)	1 minute	5 minutes	20 minutes	30 minutes	60 minutes	240 minutes
Saving interval (seconds)	2 seconds	10 seconds	40 seconds	60 seconds	120 seconds	480 seconds
Sampling time	Approx. 27 hours	Approx. 5 days	Approx. 23 days	Approx. 34 days	Approx. 69 days	Approx. 277 days
Event data files only						
	l .	l_	l		l	

Saving interval	1 second	5 seconds	10 seconds	30 seconds	60 seconds	120 seconds
Sampling time	Approx. 27 hours	Approx. 5 days	Approx. 11 days	Approx. 34 days	Approx. 69 days	Approx. 138 days

Displays data files + event files / Display data files

Display updating (min/div)	1 minute	5 minutes	20 minutes	30 minutes	60 minutes	240 minutes
Saving interval (seconds)	2 seconds	10 seconds	40 seconds	60 seconds	120 seconds	480 seconds
Sampling time	Approx. 20 hours	Approx. 4 days	Approx. 17 days	Approx. 26 days	Approx. 52 days	Approx. 208 days

Display data fil	es + event	files/Event	files

Saving interval							
Sampling time	Approx. 6.9 hours	Approx. 34 hours	Approx. 2 days	Approx. 8 days	Approx. 17 days	Approx. 34 days	

Specifications

See the general specifications (GS 04L01A01-00E and GS 04L02A01-00E) for the detailed specifications.

File saving method Auto save or manual

Auto save

Auto save of manual Display data file: Saved to removable storage media at fixed intervals (10 minutes to 31 days).

Event file: Saved to removable storage media at fixed intervals (3 minutes to 31 days) with free trigger, or saved at end of sampling with trigger or repeat. Data saved when removable storage media is inserted.

Manual save

■ Alarm functions

Number of settings:

Maximum 4 per channel Upper/lower limits, difference upper/lower limits, change rate increase/decrease limits, delay upper/lower limits (alarm Alarm types

Change rate alarm interval: Hysteresis:

increase/decrease limits, delay upper/lower limits (alarm delay)
Measurement period X 1–15
Switched between ON (0.5% of display span) and OFF (same for all channels/levels)
Status (alarm type) display and common alarm display shown on digital display unit when alarm occurs.
Switching between display holding/non-holding.
Email notification Display:

Notification:

Email notification
Stored information: Alarm occurrence/clear time, alarm type
Number of stored records: Most recent 120 records maximum
Output points: DX100 (with option): 2, 4, or 6 points
DX200 (with option): 2, 4, 6, 12, or 24 points
Operations: Switching between excitation/non-excitation, holding/non-holding Output:

■ Communication functions

10BASE-T Medium

SMTP, HTTP, FTP, TCP, UDP, IP, ARP, ICMP Protocols

Email sending function:

remaining when internal memory overwriting starts. Notification of remaining free space when remaining space in storage media falls to 10%. Periodic notification:

Periodic notification of instantaneous

Report notification:

Notification of report data when report time-out occurs (with /M1 option)

Notification addressee

Notification addressee:

2 address groups (multiple addresses may be specified in each group, with a maximum of 150 characters per group)

Displays the DX unit's screen, alarm information, instantaneous values, etc. on a browser. Messages can be input to the DX unit from the browser.

FTP client function:

FTP server function:

input to the DX unit from the prowser.

Automatic file transfer from DX unit (display data files, event files, report file)

Manual file transfer of information on removable storage media, directory editing, file deletion, and checking free space on removable storage media, working through a host

computer
Real-time monitor function: Real-time remote monitoring of DX unit measurement data

(special protocol

Web server function:

100–240 VAC (automatic switching) 90–132, 180–264 VAC 50/60 Hz (automatic switching)

■ Power supply
Rated supply voltage:
Operating supply voltage range:
Rated supply frequency:

DX100 power consumption

	Supply voltage	With LCD saver ON	Normal mode	Maximum
I	100 VAC	Approximately 30 VA	Approximately 32 VA	Approximately 45 VA
	240 VAC	Approximately 42 VA	Approximately 47 VA	Approximately 62 VA

DX200 power consumption

Supply voltage	With LCD saver ON	Normal mode	Maximum
100 VAC	Approximately 50 VA	Approximately 53 VA	Approximately 75 VA
240 VAC	Approximately 78 VA	Approximately 80 VA	Approximately 106 VA

Normal operating requirements

Supply voltage ranges : 90 to 132, 180 to 250 V AC Supply frequencies : 50 Hz \pm 2%, 60 Hz \pm 2% Ambient temperature : 0 to 50°C Ambient humidity : 20 to 80% RH (at 5 to 40°C)

Reference performance specifications

Measurement and display accuracy : (reference operating conditions: temperature of 23 \pm 2°C, humidity 55 \pm 10% RH, supply voltage of 90 to 132 or 180 to 250 V AC, supply frequency of 50/60 Hz \pm 1%, minimum 30 minutes warmup time; no vibrations or other which would adversely affect the performance of measuring instruments)

Input type	Input	Measurement accuracy (digital reading)	Maximum digital reading resolution
DC voltage	20 mV	±(0.1% of rdg + 2 digits)	10 μV
	60 mV		10 μV
	200 mV		100 μV
	2 V		1 mV
	6 V		1 mV
	20 V		10 mV
	50 V	±(0.1% of rdg + 3 digits)	10 mV
Thermocouple (without reference junction compensation accuracy)	R	$\pm (0.15\%$ of rdg + 1°C) R and S are $\pm 3.7^{\circ}\mathrm{C}$ for 0 to 100°C, and ± 1.5 for 100 to 300°C And B is $\pm 2^{\circ}\mathrm{C}$ for 400 to 600°C; accuracy not guaranteed for less than 400°C	0.1°C
	S B K	±(0.15% of rdg + 0.7°C) ±(0.15% of rdg + 1°C) for -200	
	E	to -100°C ±(0.15% of rdg + 0.5°C)	
	J	±(0.15% of rdg + 0.5°C) ±(0.15% of rdg + 0.7°C) for -200 to -100°C	
	Т		
	N	±(0.15% of rdg + 0.7°C)	
	W	±(0.15% of rdg + 1°C)	
	L	$\pm (0.15\% \text{ of rdg} + 0.5^{\circ}\text{C})$ $\pm (0.15\% \text{ of rdg} + 0.7^{\circ}\text{C}) \text{ for -200}$ to 100°C	
	U		
RTD	Pt100 JPt100	±(0.15% of rdg + 0.38C)	

Reference junction compensation: INT (internal)/EXT (external) switching (common to all channels)

Reference junction compensation accuracy Types R, S, B, W: \pm 1°C

Types K, J, E, T, N, L, U: ± 0.5°C (for measurement at 0°C or

higher) Maximum input voltage: 2 VDC or lower voltage range and thermocouple: ± 10 VDC

(continuous)

6 VDC or higher voltage range: ± 60 VDC (continuous) 2 VDC or lower voltage range and thermocouple: 10 M Ω or Input resistance:

Figure 1. The of lower voltage range and the influctouple. For higher 6 VDC or higher voltage range: Approximately 1 M Ω DC voltage, thermocouple input: 2 k Ω or lower RTD input: 1 wire, 10 Ω or less (all three wires equal) Input external resistance:

Input bias current 10 nA or less

Input bias current: 10 nA or less Maximum common mode noise voltage: 250 VAC rms (50/60 Hz)

Common mode rejection ratio (CMRR): 120 dB (50/60 Hz ±0.1%, 500 Ω unbalanced, across minus terminal and ground)

Normal mode rejection ratio (NMRR): 40 dB (50/60 Hz ±0.1%)

Maximum noise voltage across channels: 250 VAC rms (50/60 Hz)

Interference across channels: 120 dB (for 500 Ω input external resistance and 60 V input to other channel)

Specifications for options

■ Alarm relay contact output (/AR1, /AR2, /A3, /A4*, /A5*)

Function: Relay output through back side when alarm occurs
Outputs: 2, 4, 6, 12* or 24*
Relay contact capacitance: 250 VDC/0.1 A (resistance load), 250 VAC (50/60 Hz)/3 A
Output form: NC-C-NC (switching between excitation/non-excitation, AND/OR, holding/non-holding)

*/A4 and /A5 are for DX200 only.

■ Batch functions

Batch number functions:

In operation mode, batch names and comments can be input. In operation mode, batch names and comments can be input.
Automatic incrementing of lot numbers at each batch start.
Preset application names, supervisor names, and manager
names can be viewed on the batch input screen.
The following information is added to the data file header:

• User name
• Application name
• Manager name
• Manager name
• Manager name
• Match page (feet string with up to 16 characters plus 4-

Data files:

Batch name (text string with up to 16 characters, plus 4-

digit lot number)

Comments (up to 32 characters X 3 lines)

■ Serial communications (/C2, /C3)

Control and settings through host computer, data output to Media: EIA RS-232 (/C2) or RS-422-A/485 (4-wire) (/C3) compliant Spriction method: Spriction method: Start-stop synchronization method (RS-422-A/485):

4-wire half-duplex multi-drop connection (1:N, where N is 1-32)

1200, 2400, 4800, 9600, 19,200, 38,400 bps

7/8 bits 1 bit ODD, EVEN, NONE

Transfer rate: Data length: Stop bit: Parity:

Parity:

ODD, EVEN, NONE

Maximum communication distance:

1.2 km (RS-422-A/485)

Communication mode:

Communication mode:

Modbus communication:

RTU MASTER:

Capable of data acquisition for 8 packet groups.

Registers of a continuous data type in the same slave can be registered in a single packet group.

Outputs measurement/calculation data and alarm statuses.

FOUNDATION Fieldbus communication functions (/CF1)
Interface: FOUNDATION TM Fieldbus H1 (transfer rate: 31.25 kbps)

SPECIFICATION 1 CONTRACTOR

Physical type: Communication line conditions: Connection: 113 (standard-power signaling, bus powered, non I.S.) Power voltage: 9–32 VDC, supply current: 16.5 mA (maximum) M4 screws (2 terminals)

Signal insulation

M4 screws (2 terminals)
500 Vrms withstand voltage between communication terminal
and ground (50/60 Hz, for one minute)
Link master
8 blocks (one channel per block) for sending DX
measurement/calculation data to other equipment
1 block (8 channels) for sending DX measurement/calculation
data to other equipment MAI block:

data to other equipment

1 block (8 channels) for receiving data from other equipment and displaying/recording the data MAO block

and displaying/recording the data

VGA output (/D5) (DX200 only)
Enables connection to external display device.

FAIL/memory end output (/F1)
Relay output is performed when a system error occurs, when internal memory overwriting starts, or when the removable storage media free space falls to a certain level.

Manual saving:
Relay output a specified number of hours before internal memory overwriting starts (1, 2, 5, 10, 20, 50, or 100 hours).

Auto-saving:
Relay output when the external storage medium free capacity falls to 10%.

falls to 10%.
Relay contact capacitance: 250 VDC/0.1 A (resistance load), 250 VAC (50/60 Hz)/3 A

■ Clamp input terminal (/H2)
A clamp input terminal is used as an input terminal.

Desktop type (/H5□, /H5)

Lesatop type (InDL., /nD) Includes carrying handle and power cord (model /H5 does not include power cord)

Calculation functions (/M1)

These functions enable the calculations listed below, as well as displaying and recording trends and digital values on calculation channels.

Number of calculation channels:

Calculation types

inels:
DX102, DX104: 8 channels
DX106, DX112: 12 channels
DX204, DX208: 8 channels
DX210, DX220, DX230: 30 channels
General calculations: Arithmetic calculations (+, -, *, /), square roots, absolute values, common logarithms, exponents, powers, relational calculations (<, >, =, ≠), logical calculations (AND, OR, NOT, XOR)

Statistical calculations: Time-series data averages, maximum values, minimum values, totalized values

values

Moving averages: Moving averages are determined for calculation results.

DX100: Up to 12 constants can be set.

DX200: Up to 30 constants can be set.

Constants

Online digital communications input:

Can be used for calculation formulas other than statistical

Remote inputs:

Can be used for calculation.

Calculations.

DX100: 12 channels

DX200: 30 channels

Up to 8 remote inputs can be used. Remote statuses (0/1)

can be used in calculation formulas.

Report types:

Hourly reports, daily reports, hourly +

daily reports, daily + weekly reports,

daily + monthly reports

Calculation types: Average values, maximum values,

minimum values, totalized values

Input (/N1) Reporting functions

■ Cu10/Cu25 RTD input/3-wire isolated RTD input (/M1)
This option enables Cu10 and Cu25 inputs in addition to the standard inputs

3-wire isolated RTD input (/N2)
With this option, all RTD input points are isolated (A, B, and b are all isolated).
*Only available with DX106, DX112, DX210, DX220, and DX230.

24 VDC/AC power driven model (/P1)
Rated supply voltage: 24 VDC or 24 VAC (50/60 Hz)
Operating supply voltage range: 21.6 to 26.4 VDC/AC
DX100 power consumption:

Supply voltage	With LCD saver ON	Normal mode	Maximum
24 VDC	17 VA	19 VA	30 VA
24 VAC (50/60 Hz)	28 VA	32 VA	45 VA
,			

DX200 power consumption

Supply voltage	With LCD saver ON	Normal mode	Maximum
24 VDC	34 VA	35 VA	54 VA
24 VAC (50/60 Hz)	50 VA	53 VA	76 VA

■ Remote control (/R1)

The remote control can be used to control the following through contact input (as many as 8 points can be set): The remote control can be used to control the following through contact input (as many as 8 points can be set):

* Memory start/stop (level)

* Event file external trigger input (level)

* Time setting (time set to reference time through contact; trigger; 250 ms or greater)

* Calculation start/stop (level)

* Calculation star/stop (leve)

* Calculation star/stop (leve)

* Calculation star/stop (leve)

* Calculatio

VDC) $^{-5}$ 500 VAC across output and main unit ground (50/60 Hz; I = Withstand voltage

10 mA), for one minute 500 VAC (50/60 Hz; I = 10 mA), for one minute */TPS2 is for DX100; /TPS8 is for DX200 only. Across output terminals

Application software (DAQSTANDARD)

System requirements

Operating system Processor:

Disk drive: Free hard drive space:

Video card:

Microsoft Windows 98/Me/2000/NT4.0/XP
Pentium 166 MHz MMX or higher (Pentium II 266 MHz or higher recommended)
32MB or more (64MB or more recommended)
CD-ROM compatible with Windows 98/Me/2000/NT4.0/XP
10MB or more (100MB or more recommended)
Video card compatible with Windows 98/Me/2000/NT4.0/XP
and capable of displaying 32,000 colors or more (video card compatible with Windows 98/Me/2000/NT4.0/XP
and capable of displaying 64,000 colors or more recommended)
Printer and printer driver compatible with Windows 98/Me/2000/NT4.0/XP

Data Viewer

Printer:

■ Main functions (package)

Setup software: Removable storage media: Setup and set mode settings

Online settings: Setup and set mode settings other than

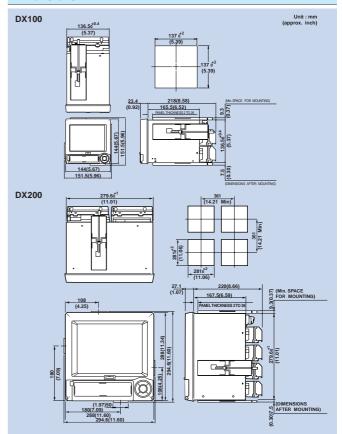
communication-related settings (e.g., IP

Interval calculations: Maximum, minimum, average, rms, p-p File conversion: Conversion to ASCII, Lotus 1-2-3, and

Excel formats

Printouts Printouts of replayed data

Dimensions



Two panel brackets are used in panel-mounting the DX100 and DX200. They may be used either on the left and right or top and bottom. See Yokogawa's General Specification (G&L1A1-E) for information on panel cutting dimensions for DX100 vertical or horizontal attachments. Unless otherwise indicated, tolerance is $\pm 3\%$ (or ± 0.3 mm for dimensions under the contraction of the contraction of

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Options

DX100

Model code		ıffix ode	Optional code	Description	
DX102				DAQSTATION DX100 (2 ch)	
DX104				DAQSTATION DX100 (4 ch)	
DX106				DAQSTATION DX100 (6 ch)	
DX112				DAQSTATION DX100 (12 ch)	
External	External -1			FDD	
memory	-2			Zip (with medium)	
	-3			CompactFlash memory card (CF+Adapter)	
Display languag	je	-2		English/Germany/French, deg F & Summer/ winter time (with English DAQSTANDARD)	
Options	Ontions		/AR1	Alarm output 2 points/Remote control*1*2	
			/AR2	Alarm output 4 points/Remote control*1*2	
			/A3	Alarm output 6 points*1*3	
			/BT1	Batch function	
			/C2	RS-232 interface (including Modbus Master/	
			Slave protocol)*4*5		
			/C3	RS-422-A/485 interface	
			(including Modbus Master/Slave protocol)*4*5		
			/CF1	FOUNDATION Fieldbus*4*6	
		/F1	Fail/memory end detection and output*3		
			/H2	Clamped input terminal	
		/H5	Desktop type (without power code,		
			screw type power terminal)*7		
		/H5[]	Desktop type (with power code)*8		
		/M1	Mathematical function (with report function)		
		/N1	Cu10, Cu25 RTD input/3 legs isolated RTD		
		/N2	3 legs isolated RTD*9		
		/P1	24 VDC/AC power supply		
			/TPS2	24 VDC transmitter power supply (2 loops)*10	
			/TPS4	24 VDC transmitter power supply (4 loops)*11	
		/R1	Remote control		

- *8 /H5[] Power cord UL_CSA st'd
 Power cord DE st'd
 Power cord SE st'd
 1 In case that /TPS2 is specified, /TPS4, /AR2, /A3, or /F1 cannot be specified.
 11 In case that /TPS4 is specified, /TPS2, /AR1, /AR2, /A3, or /F1 cannot be specified.

DX200

Model code Suffix		Optional code	Description		
DX204	C	oae	code	DAQSTATION DX200 (4 ch)	
DX204				DAQSTATION DX200 (4 cm)	
DX208				DAQSTATION DX200 (8 ch) DAQSTATION DX200 (10 ch)	
DX210				` ′	
				DAQSTATION DX200 (20 ch)	
DX230	-			DAQSTATION DX200 (30 ch)	
External memory	-1				
,	-2			Zip (with medium)	
	-3			CompactFlash memory card (CF+Adapter)	
Display langua	ge	-2		English/Germany/French, deg F & Summer/ winter time (with English DAQSTANDARD)	
Options			/AR1	Alarm output 2 points/Remote control*1*2	
			/AR2	Alarm output 4 points/Remote control*1*2	
			/A3	Alarm output 6 points*1	
		/A4	Alarm output 12 points*1		
		/A5	Alarm output 24 points*1*3		
		/BT1	Batch function		
		/C2	RS-232 interface (including Modbus Master/Slave protocol)*4		
			/C3	RS-422-A/485 interface (including Modbus Master/Slave protocol)*4	
			/CF1	FOUNDATION Fieldbus*4*6	
		/D5	VGA video output		
			/F1	Fail/memory end detection and output*3	
		/H2	Clamped input terminal		
		/H5	Desktop type (without power code, screw type power terminal)*7		
		/H5[]	Desktop type (with power code)*8		
		/M1	Mathematical function (with report function)		
		/N1	Cu10, Cu25 RTD input/3 legs isolated RTD		
		/N2	3 legs isolated RTD*9		
		/P1	24 VDC/AC power supply		
		/TPS4	24 VDC transmitter power supply (4 loops)*10		
		/TPS8	24 VDC transmitter power supply (8 loops)*11		
		/R1	Remote control		

- | 1 | AR1 | AR2 | A3 | A4 | A5 cannot be specified together.
 | 2 | If /AR1 or /AR2 is specified, /R1 cannot be specified.
 | 3 | If /AS1 is specified | /F1 cannot be specified.
 | 4 | /C2 | /C3 | and /CF1 cannot be specified doubter.
 | 5 | In case that Modbus master function is utilized, /M1 must be specified.
 | 6 | In case that FOUNDATION Fieldbus (/CF1) is specified, /M1 must be specified together.
 | 7 | In case that 2 | AVD | AVD | AVD | AVD | AVD | AVD |
 | 8 | AVD | AVD | AVD | AVD | AVD | AVD |
 | 9 | AVD | AVD | AVD | AVD | AVD |
 | 10 | AVD | AVD | AVD | AVD | AVD |
 | 10 | AVD | AVD | AVD | AVD |
 | 11 | In case that /TPS4 is specified, /TPS4 or /A5 cannot be specified.
 | 11 | In case that /TPS8 is specified, /TFS4 or /A5 cannot be specified.
 | 12 | AVD | AVD | AVD | AVD |
 | 13 | In case that /TPS8 is specified, /TFS4 or /A5 cannot be specified.
 | 14 | AVD | AVD | AVD | AVD | AVD | |
 | 15 | AVD | AVD | AVD | AVD | AVD |
 | 16 | AVD | AVD | AVD | AVD | AVD |
 | 17 | AVD | AVD | AVD | AVD | AVD |
 | 18 | AVD | AVD | AVD | AVD | AVD |
 | 19 | AVD | AVD | AVD | AVD | AVD |
 | 10 | AVD | AVD | AVD | AVD | AVD |
 | 11 | AVD | AVD | AVD | AVD | AVD |
 | 12 | AVD | AVD | AVD | AVD | AVD |
 | 13 | AVD | AVD | AVD | AVD | AVD |
 | 14 | AVD | AVD | AVD | AVD | AVD |
 | 15 | AVD | AVD | AVD | AVD |
 | 16 | AVD | AVD | AVD | AVD | AVD |
 | 17 | AVD | AVD | AVD | AVD | AVD |
 | 18 | AVD | AVD | AVD | AVD | AVD |
 | 19 | AVD | AVD | AVD | AVD | AVD |
 | 10 | AVD | AVD | AVD | AVD | AVD |
 | 11 | AVD | AVD | AVD | AVD | AVD |
 | 12 | AVD | AVD | AVD | AVD | AVD |
 | 13 | AVD | AVD | AVD | AVD | AVD |
 | 14 | AVD | AVD | AVD | AVD | AVD |
 | 15 | AVD | AVD | AVD | AVD | AVD | AVD |
 | 16 | AVD | AVD | AVD | AVD | AVD | AVD |
 | 17 | AVD | AVD | AVD | AVD | AVD | AVD |
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 | 10 | AVD |
 | 11 | AVD |

Application Software

Model	Description	Operating System
DXA100-02	DAQSTANDARD	Windows 98/Me/NT4.0/2000/XP
WX104/CD1	DAQEXPLORER	Windows 98/Me/NT4.0/2000/XP
DXA310-021	DAQ-PharmBio	Windows 98/Me/NT4.0/2000/XP
DXA410-02	DAQOPC(Basic)	Windows NT4.0/2000
DXA410-04	DAQOPC(Advanced)	Windows NT4.0/2000
WX101/CD1	DAQLOGGER(1600 channels)	Windows 98/NT4.0/2000/XP
WX81/CD1	DAQLOGGER Client(1600 channels)	Windows 98/NT4.0/2000/XP

Accessories

Accessories (sold separately)

Product	Product Model (part number)	Specification
	415920	250 Ω \pm 0.1%
Shunt resistor for screw terminal (stamdard)	415921	100 Ω \pm 0.1%
(Starridard)	415922	10 Ω \pm 0.1%
Shunt resistor for clamp terminal	438920	250 Ω \pm 0.1%
(for/H2)	438921	100 Ω \pm 0.1%
	438922	10 Ω \pm 0.1%
3.5-inch floppy disks	705900	2HD (10 disks)
Zip disk	A1053MP	100 MB
CompactFlash memory card (CF+Adapter)	B9968NL	32 MB or more
	A1347EF(DX100)	250V 1A TL
Fuse	A1423EF(DX200)	250V 1.25A TL
ruse	A1352EF(DX100)	250V 4A TL (for /P1)
	A1463EF(DX200)	250V 6.3A TL (for /P1)
Bracket	B9900BX	_
Module removal handle	790581	_

Related Products

DX100L DAQSTATION Special Housing Model



Special housing model for advanced network functions

- ♦ Works with recorders with different panel cuts and depths than the standard DX100.
- ♦ Foxboro(SPEC200),

DX200C DAQSTATION Circular Display Model



Circular display model for advanced network functions

- Enables circular display in addition to ordinary T-Y trend display.
- Period settings: 1/2/6/8/12/16 hours;
 1/2 days; 1/2/4 weeks
- ♦ 4 or 8 input channels

- Before operating the product, read the instruction manual thoroughly for proper and safe operation.
- If this product is for use with a system requiring safeguards that directly involve personnel safety, please contact the Yokogawa sales offices

