



## Data Acquisition Station

# DXAdvanced R4

**DX1000T touch**  
**DX2000T touch**

**Daqstation**



**DXAdvanced touch screen operator interface provides faster and more intuitive access to common functions**

### Intuitive touch operation

- Increases operator efficiency and menu navigation speed
- Pressure-sensitive touch screen that gloved users can operate

### Combined touch operation and key controls— your choice!

- Use the touch screen to navigate all display and function menu selections, and to quickly input text information
- Use the traditional control keys for all setting menu operations

### Enhanced operation of your custom display screens

- Build your own screens with the custom display functions
- Operate a switch control or change a display with a touch of the screen

### Easy search

- Touch the calendar data search icon to quickly and easily search the trend history

### Easy message, batch, login and electronic signature text entry (with /AS1 option)

- Touch the screen to quickly and easily enter long batch and text messages
- Login quickly to a secure DX; operators can select their username from a list and complete their login with the touch screen
- Enter electronic signature— quickly examine trend history, approve the data, and enter signature comments with the touch screen



LF 04L45B01-01EN

[www.daqstation.com](http://www.daqstation.com)

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## Data Acquisition Station

# DX Advanced

DX1000T touch  
DX2000T touch

### MODEL AND SUFFIX CODES

Model code	Suffix code	Optional code	Description
DX1002T			2ch, 125ms (Fast sampling mode: 25ms)
DX1004T			4ch, 125ms (Fast sampling mode: 25ms)
DX1006T			6ch, 1s (Fast sampling mode: 125ms)
DX1012T			12ch, 1s (Fast sampling mode: 125ms)
Internal memory	-3		400MB
External media	-4		CF card (with media)
Display language		-2	English/German/French, degF, DST(summer/winter time)
Options		/A1	Alarm output 2 points <sup>1</sup>
		/A2	Alarm output 4 points <sup>1</sup>
		/A3	Alarm output 6 points <sup>1,2</sup>
		/C2	RS-232 interface <sup>3</sup>
		/C3	RS-422A/485 interface <sup>3</sup>
		/F1	FAIL/Status output <sup>2</sup>
		/H2	Clamped input terminal (detachable)
		/H5	Desktop type (only for /P1 model, without power cable, screw type power terminal) <sup>4</sup>
		/H5[ ]	Desktop type <sup>4,5</sup>
		/M1	Mathematical functions
		/N1	Cu10,Cu25 RTD input/3 leg isolated RTD
		/N2	3 leg isolated RTD <sup>6</sup>
		/N3	Extended input type (PR40-20, Pt50, etc.)
		/P1	24VDC/AC power supply <sup>4</sup>
		/R1	Remote control
		/TPS2	24VDC transmitter power supply (2 loops) <sup>7</sup>
		/TPS4	24VDC transmitter power supply (4 loops) <sup>8</sup>
		/USB1	USB interface
		/PM1	Pulse input (including remote control and mathematical functions) <sup>9</sup>
		/CC1	Calibration correction function
		/BT2	Multi-batch function <sup>10</sup>
		/CP1	PROFIBUS-DP communication interface <sup>3</sup>
		/AS1	Advanced security function

<sup>1</sup> /A1, /A2, /A3 cannot be specified together.

<sup>2</sup> /A3 and /F1 cannot be specified together.

<sup>3</sup> /C2, /C3 and /CP1 cannot be specified together.

<sup>4</sup> In case that 24 VDC/AC power supply (/P1) and desktop type are specified together, /H5 must be specified.

/P1 and /H5[ ] cannot be specified together.

<sup>5</sup> /H5[ ]

- D: Power cord UL, CSA st'd
- F: Power cord VDE st'd
- R: Power cord SAA st'd
- J: Power cord BS st'd
- H: Power cord GB st'd

<sup>6</sup> /N2 can be specified for only DX1006T and DX1012T.

<sup>7</sup> In case that /TPS2 is specified, /TPS4, /A2, /A3 or /F1 cannot be specified together.

<sup>8</sup> In case that /TPS4 is specified, /TPS2, /A1, /A2, /A3 or /F1 cannot be specified together.

<sup>9</sup> In case that /PM1 is specified, /A3, /M1, /R1, /TPS2 or /TPS4 cannot be specified. And combination of /A2/F1 cannot be specified together.

<sup>10</sup> /BT2 can be specified for only DX1006T and DX1012T.

Model code	Suffix code	Optional code	Description
DX2004T			4ch, 125ms (Fast sampling mode: 25ms)
DX2008T			8ch, 125ms (Fast sampling mode: 25ms)
DX2010T			10ch, 1s (Fast sampling mode: 125ms)
DX2020T			20ch, 1s (Fast sampling mode: 125ms)
DX2030T			30ch, 1s (Fast sampling mode: 125ms)
DX2040T			40ch, 1s (Fast sampling mode: 125ms)
DX2048T			48ch, 1s (Fast sampling mode: 125ms)
Internal memory	-3		400MB
External media	-4		CF card (with media)
Display language		-2	English/German/French, degF, DST(summer/winter time)
Options		/A1	Alarm output 2 points <sup>1</sup>
		/A2	Alarm output 4 points <sup>1,10</sup>
		/A3	Alarm output 6 points <sup>1</sup>
		/A4	Alarm output 12 points <sup>1,9,10</sup>
		/A5	Alarm output 24 points <sup>1,2,9,10</sup>
		/C2	RS-232 interface <sup>3</sup>
		/C3	RS-422A/485 interface <sup>3</sup>
		/D5	VGA output
		/F1	FAIL/Status output <sup>2,4,9,10</sup>
		/F2	FAIL + Alarm output 22 points <sup>1,4,9,10</sup>
		/H2	Clamped input terminal (detachable)
		/H5	Desktop type (only for /P1 model, without power cable, screw type power terminal) <sup>5</sup>
		/H5[ ]	Desktop type <sup>5,6</sup>
		/M1	Mathematical functions <sup>10</sup>
		/N1	Cu10,Cu25 RTD input/3 leg isolated RTD
		/N2	3 leg isolated RTD <sup>7</sup>
		/N3	Extended input type (PR40-20, Pt50, etc.)
		/P1	24VDC/AC power supply <sup>5</sup>
		/R1	Remote control <sup>10</sup>
		/TPS4	24VDC transmitter power supply (4 loops) <sup>8</sup>
		/TPS8	24VDC transmitter power supply (8 loops) <sup>8,9,10</sup>
		/USB1	USB interface
		/PM1	Pulse input (including remote control and mathematical functions) <sup>10</sup>
		/CC1	Calibration correction function
		/MC1	External input function <sup>11</sup>
		/BT2	Multi-batch function <sup>12</sup>
		/CP1	PROFIBUS-DP communication interface <sup>3</sup>
		/AS1	Advanced security function

<sup>1</sup> /A1, /A2, /A3, /A4, /A5, /F2 cannot be specified together.

<sup>2</sup> /A5 and /F1 cannot be specified together.

<sup>3</sup> /C2, /C3 and /CP1 cannot be specified together.

<sup>4</sup> /F1 and /F2 cannot be specified together.

<sup>5</sup> In case that 24 VDC/AC power supply (/P1) and desktop type are specified together, /H5 must be specified.

/P1 and /H5[ ] cannot be specified together.

<sup>6</sup> /H5[ ]

- D: Power cord UL, CSA st'd
- F: Power cord VDE st'd
- R: Power cord SAA st'd
- J: Power cord BS st'd
- H: Power cord GB st'd

<sup>7</sup> /N2 can be specified for only DX2010T, DX2020T, DX2040T and DX2048T.

<sup>8</sup> /TPS4, /TPS8, /A5 and /F2 cannot be specified together.

<sup>9</sup> In case that /TPS8 is specified, combination of /A4/F1 cannot be specified together.

<sup>10</sup> In case that /PM1 is specified, /A5, /F2, /M1 and /R1 cannot be specified. And combination of /A2/F1 and combination of /A4/TPS8 cannot be specified together.

<sup>11</sup> /MC1 can be specified for only DX2010T, DX2020T, DX2030T, DX2040T and DX2048T.

<sup>12</sup> /BT2 can be specified for only DX2010T, DX2020T, DX2030T, DX2040T and DX2048T.

In case that standard memory is specified, maximum number of batches is 6.

### STANDARD ACCESSORIES

Product	Qty
Mounting brackets	2
Terminal screws	5
Door lock key	2
Operation guide	1
User's manual (CD)	1
DAQSTANDARD software (CD)	1
DAQStudio software (optional)	1
DAQManager (optional)	1
CF card (128MB)	1
Power cable <sup>1</sup>	1

<sup>1</sup> For /H5[ ] option

#### CAUTION



• Read the product manual before using this product to ensure safe use.

### OPTIONAL ACCESSORIES

Product	Model code (part number)	Specification
Shunt resistor (for screw input terminal)	415920	250 Ω±0.1%
	415921	100 Ω±0.1%
	415922	10 Ω±0.1%
Shunt resistor (for clamped input terminal)	438920	250 Ω±0.1%
	438921	100 Ω±0.1%
	438922	10 Ω±0.1%
CF card adapter	772090	—
CF card	772093	512 MB
	772094	1 GB
	772095	2 GB
Mounting bracket	B9900BX	—
Door lock key	B8706FX	—
Validation document	438230	For /AS1 option (CD)

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VigilantPlant is Yokogawa's automation concept for safe, reliable, and profitable plant operations. VigilantPlant aims to enable an ongoing state of Operational Excellence where plant personnel are watchful and attentive, well-informed, and ready to take actions that optimize plant and business performance.

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Vig-RS-5E

Printed in Japan, 105(KP) [Ed : 02/b]

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