

Changes for the Better



Mitsubishi Integrated FA Software

**Excel Communication Support Tool
MX Sheet Version 1**

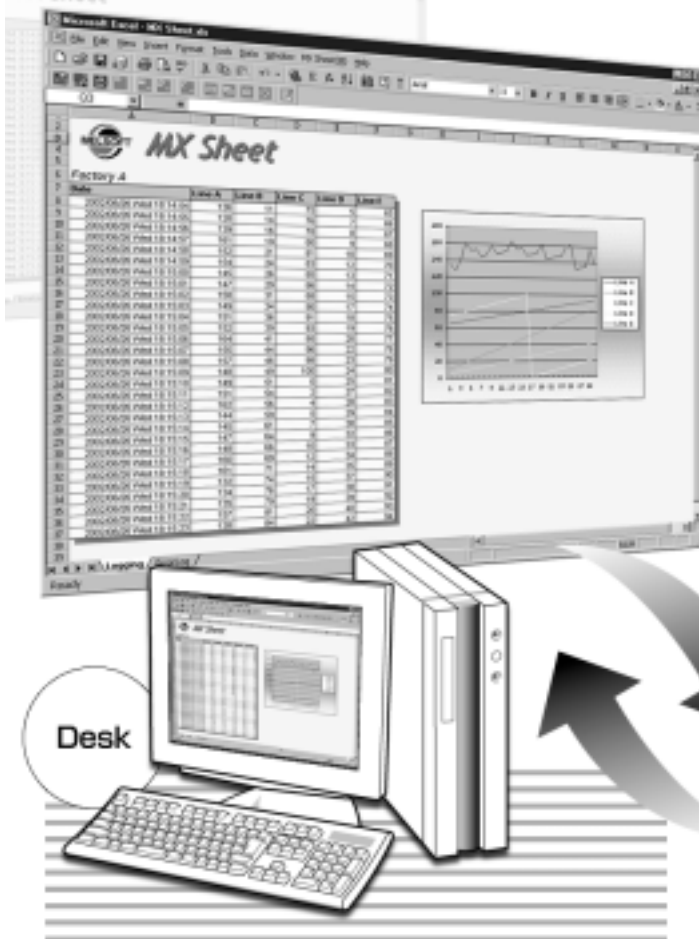
2002 No.191E

NEW PRODUCT RELEASE



New!

Easy Collecting and Writing Of Field Data With Excel From Your Desk!



Easy Settings without Programming

Easy settings by utility without programming.

Monitor

Monitors the field status in real time

Logging

Most suitable for collecting quality data and managing history

Write

Automatically writes recipe data

MX Sheet is a communication support software package. It monitors the PLC CPU, performs logging, collects alarm information, changes setting values and works through simple settings using Microsoft Excel. There is no need for programming.

(MX Component Version 3.01B or later is required to use MX Sheet.)

[Features]

(1) Easy settings without programming

The user can easily set all required settings for MX Sheet, i.e., cell and communication from the Excel menu bar. This realizes the communication between the PLC and Excel without programming.

[Step1]



Start the Setup utility, and select a function and the conditions of the target device.

[Step2]



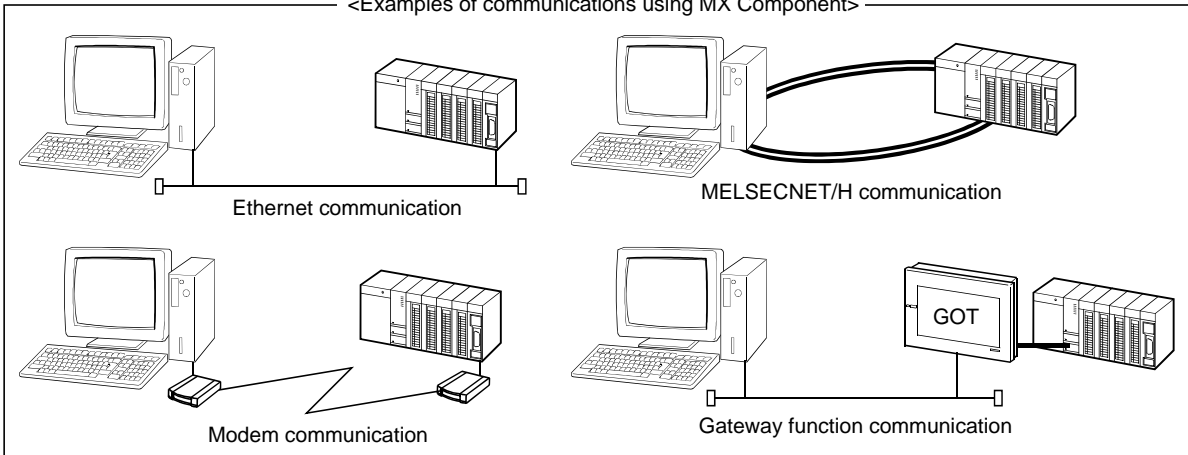
Then, arrange windows and execute to start collecting data.

Simple and easy settings!

(2) Support for various communication paths

MX Sheet can flexibly work in the exiting or new system, since it can communicate with the same CPUs and devices through the same communication paths as MX Component.

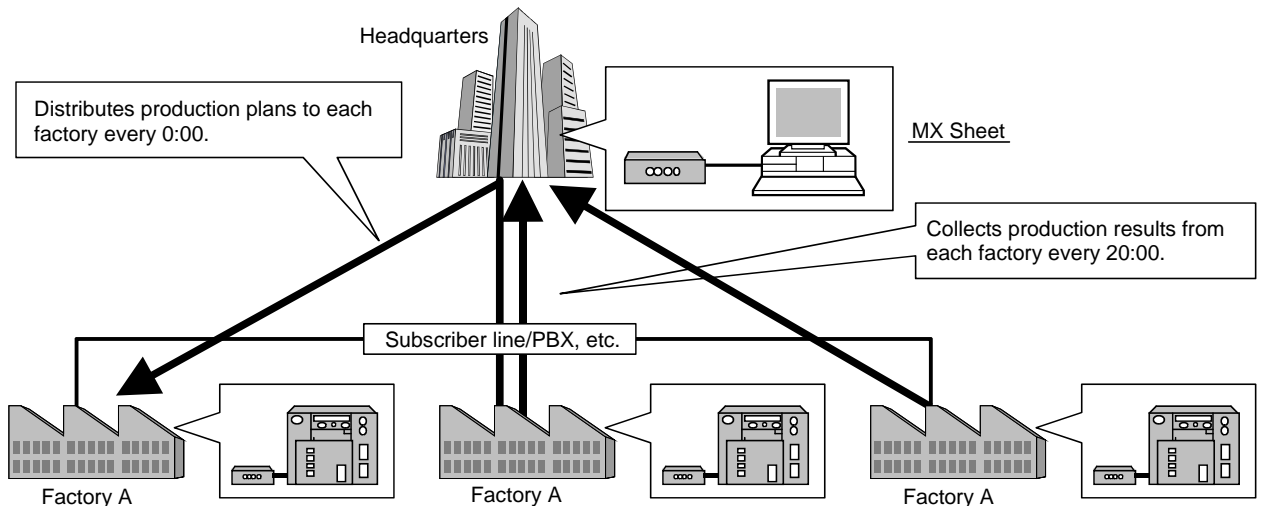
<Examples of communications using MX Component>



(3) Collecting and handling remote field data easily

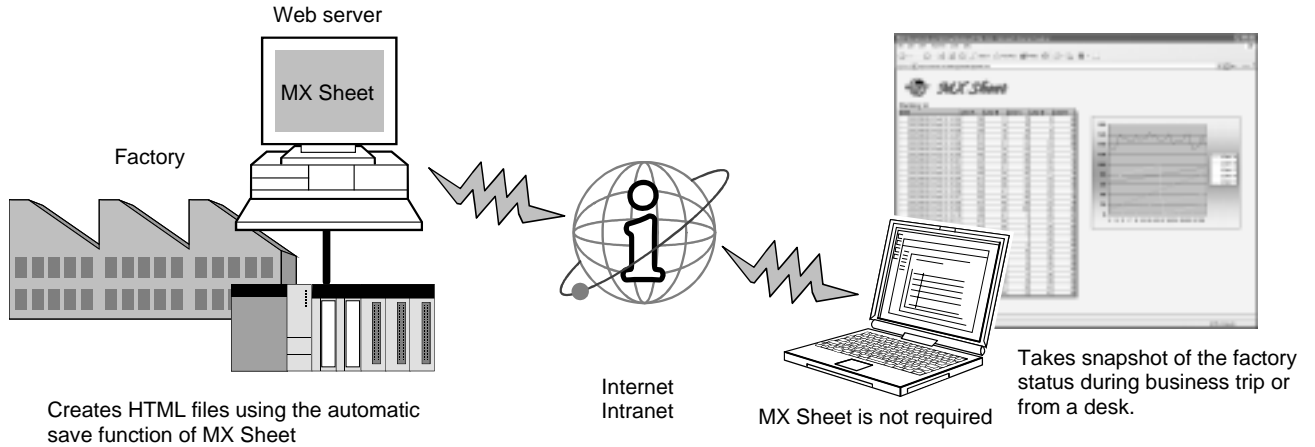
(a) Data collection/Production instruction via a general public line

The user can collect daily production results from domestic and/or overseas factories, and send production instruction data to them via a general public line.



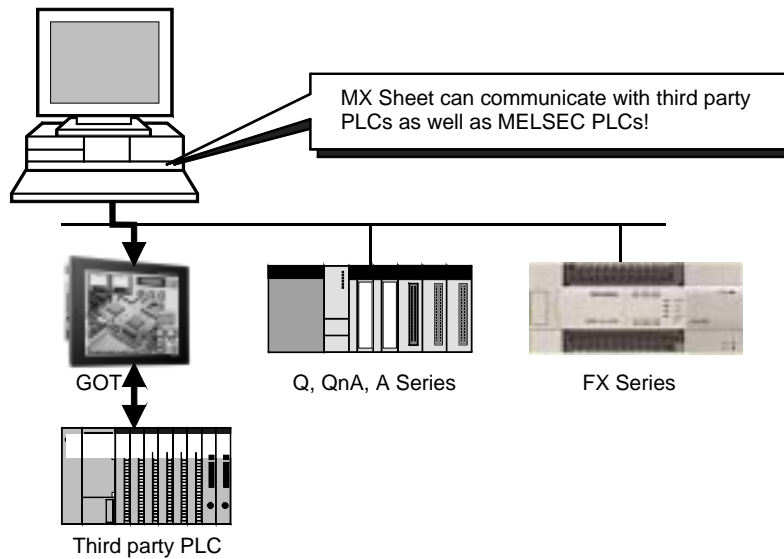
(b) Monitoring field status using a Web browser

The user can monitor the field production status during business trip or at your desk via the Internet or Intranet from an on-field personal computer as Web server, while MX Sheet inside it automatically saves the field data as HTML format.



(4) Accessing the devices in the third party PLC that is connected with a GOT

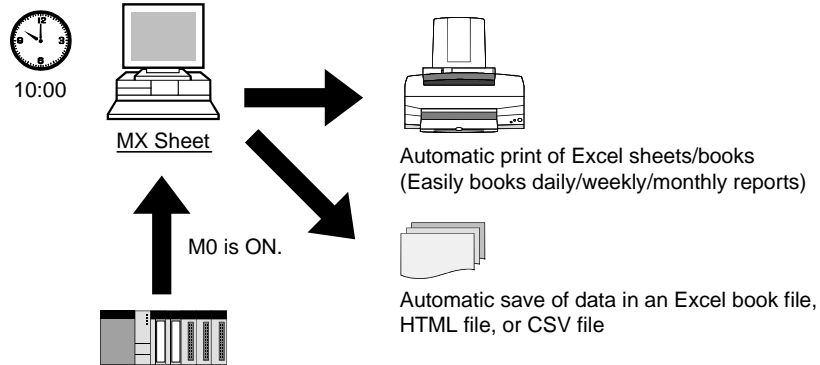
MX Sheet can communicate with the third party PLC that is connected with a GOT since it can communicate with the GOT. Therefore MX Sheet is applicable to the fields where the third party PLCs are used as well as MELSEC PLCs.



(5) Save and print functions

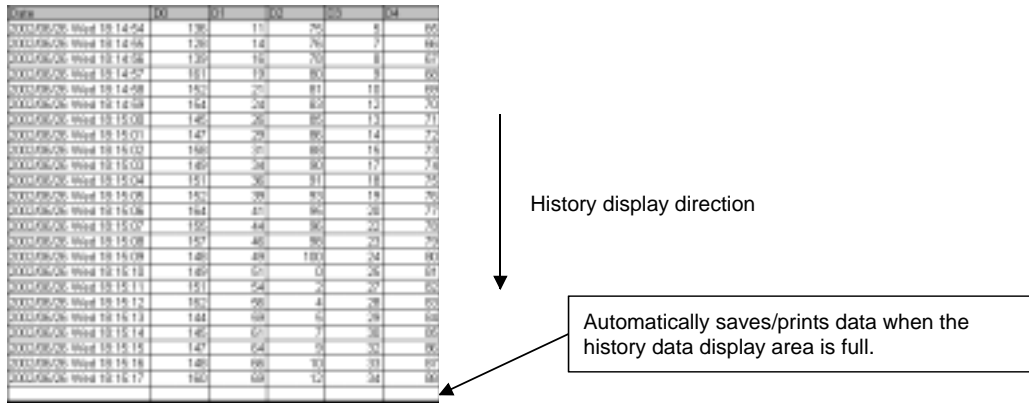
(a) Saving/printing data by a trigger from a PLC or at the specified time

MX Sheet can save and print data according to the device status in a PLC or at the specified time.



(b) Saving/printing logging data continuously

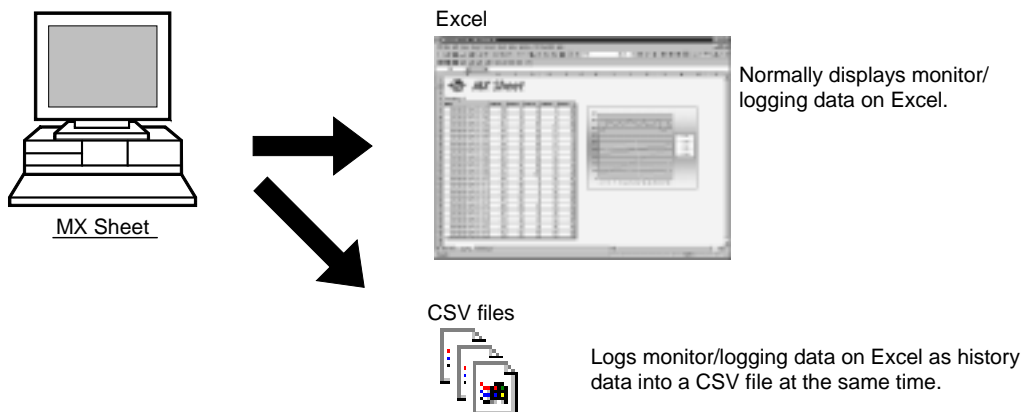
MX Sheet automatically saves the logging/alarm summary data displayed on Excel and/or prints them when the display area is full.



(c) Logging directly into a CSV file

MX Sheet can save monitor/logging data in a CSV file while displaying them on Excel. It is convenient to collect data continuously for an extended period.

The CSV format data can be easily converted into a database.



(6) Succeeding MX Chart (SW3D5F-OLEX-E) assets

MX Sheet includes a data conversion function to succeed the current assets, i.e., Excel sheets, communication setup and tag files of MX Chart (SW3D5F-OLEX-E) to MX Sheet.

[Functions]

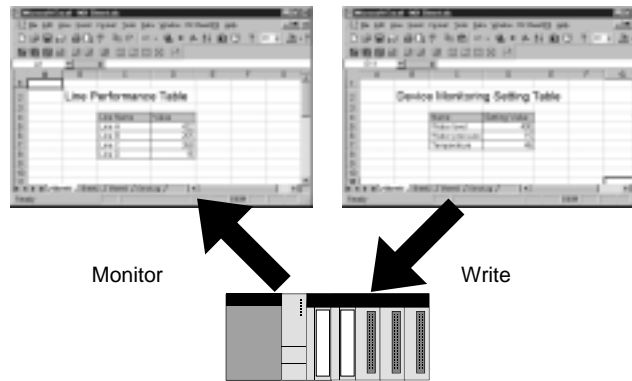
(1) Monitor

This function displays each device status in a PLC on Excel in real time.

(2) Write

This function writes the recipe data of a facility from Excel to a PLC.

The lot exchange can be automated by writing data at the specified time or according to the trigger condition of a PLC.



(3) Logging

This function logs the device data in a PLC on Excel.

It collects and analyzes the quality/temperature/test result data of a field easily.



(4) Alarm summary

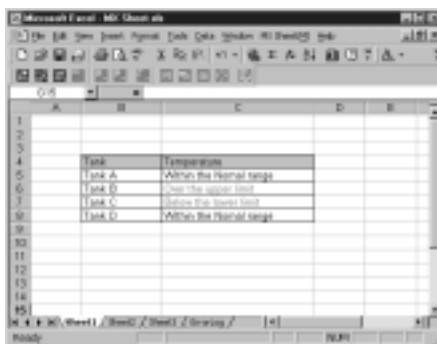
This function logs the PLC bit information as an alarm on Excel. This information is useful for the analysis of the line operating rate.

The screenshot shows an Excel spreadsheet with the following data:

Alarm Information			
	Date	Alarm	State
Overruns	2002/04 Thu 04:14	Support 2 reactivity stop	Lock/Release
Overruns	2002/04 Thu 04:20	Support 1 reactivity stop	Lock/Release
Overruns	2002/04 Thu 04:20	Support 2 reactivity stop	Lock/Release
Overruns	2002/04 Thu 04:20	Lot 1 stop	Warning
Overruns	2002/04 Thu 04:20	Lot 2 stop	Warning
Overruns	2002/04 Thu 04:24	Support 1 reactivity stop	Lock/Release
Overruns	2002/04 Thu 04:40	Lot 1 stop	Warning
Overruns	2002/04 Thu 04:40	Lot 2 stop	Warning
Overruns	2002/04 Thu 04:54	Support 2 reactivity stop	Lock/Release
Overruns	2002/04 Thu 04:59	Support 1 reactivity stop	Lock/Release
Overruns	2002/04 Thu 04:59	Support 2 reactivity stop	Lock/Release
Overruns	2002/04 Thu 04:59	Lot 1 stop	Warning
Overruns	2002/04 Thu 04:59	Lot 2 stop	Warning
Overruns	2002/04 Thu 04:59	Lot 1 stop	Warning

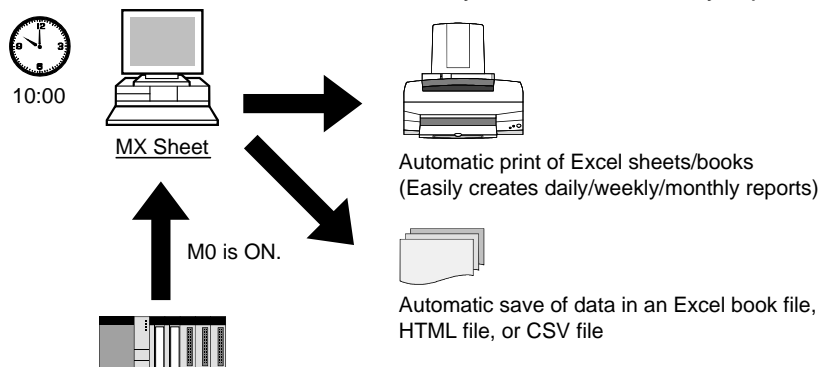
(5) Comments

This function converts the values of device data into the comments, and then displays them on Excel. These comments are useful to check the operating status of a remote field at a glance.



(6) Automatic save/Automatic print

This function automatically saves and prints the data displayed on Excel at the specified time or according to the trigger condition from a PLC. It can automatically book and save daily reports and test results.



[Operating Environment]

●MX Sheet Version 1

Item		Description
Personal computer	IBM PC/AT compatible personal computer	Pentium 200MHz or higher*1 IBM-PC/AT-compatible personal computer*2 installed with applicable OS.
	PC CPU module	MELSEC-Q Series Corresponding PC CPU module (CONTEC CO., LTD.)
Operating systems		Microsoft Windows 98 Operating System (English version), Microsoft Windows Millennium Edition Operating System (English version), Microsoft Windows NT Workstation Operating System Version 4.0 (English version)*3, Microsoft Windows 2000 Professional Operating System (English version), Microsoft Windows XP Professional Operating System (English version)*4, Microsoft Windows XP Home Edition Operating System (English version)*4
Required memory		64MB or more*5
Available hard disk space		100MB or more
Disk drive		CD-ROM disk drive
Display resolution		Resolution: 1024 × 768 dot or more resolution
Excel		Microsoft Excel 2000 (English version) or Microsoft Excel 2002 (English Version)*6
MX Component		MX Component Version 3.01B or later

*1: Pentium 300MHz processor or higher is recommended when using Windows XP Professional or Windows XP Home Edition.

*2: This product does not work with a multiprocessor IBM-PC/AT-compatible personal computer, because the driver is not compatible with it.

*3: Service Pack 3 or higher is required when using Windows NT Workstation 4.0.

*4: MX Sheet does not work in XP-compatible mode.

*5: 128MB or more is recommended when using Windows XP Professional or Windows XP Home Edition.

*6: Excel sheet created in the English environment work only in the English environment.

[Restrictions on Use]

MX Sheet will not work together with MX Chart.

[Applicable PLC CPU]

	PLC CPU model
ACPU	A0J2HCPU, A1SCPU, A1SCPU-S1, A1SCPUC24-R2, A1SHCPU, A1SJCPU, A1SJHCPU, A1SJHCPU-S8, A1NCPUCPU, A2CCPU, A2CCPUC24, A2CCPUC24-PRF, A2CJCPU, A2NCPUCPU, A2NCPUCPU-S1, A2SCPU, A2SCPU-S1, A2SHCPU, A2SHCPU-S1, A3NCPUCPU, A1FXCPU, A2ACPU, A2ACPU-S1, A2ACPUP21/R21, A2ACPUP21/R21-S1, A3ACPU, A3ACPUP21/R21, A2UCPU, A2UCPU-S1, A2ASCPUCPU, A2ASCPUCPU-S1, A2ASCPUCPU-S30, A2USHCPU-S1, A3UCPU, A4UCPU
QnACPU	Q2ACPU, Q2ACPU-S1, Q2ASCPUCPU, Q2ASCPUCPU-S1, Q2ASHCPU, Q2ASHCPU-S1, Q3ACPU, Q4ACPU, Q4ARCPU
QCPU (A mode)	Q02CPU-A, Q02HCPU-A, Q06HCPU-A
QCPU (Q mode)	Q00JCPU, Q00CPU, Q01CPU, Q02CPU, Q02HCPU, Q06HCPU, Q12HCPU, Q25HCPU, Q12PHCPU, Q25PHCPU
FXCPU	FX0, FX0S, FX0N, FX1, FX1N, FX1NC, FX1S, FX2, FX2C, FX2N, FX2NC series
Motion controller CPU	A171SHCPU, A172SHCPU, A173UHCPU, A173UHCPU-S1, A273UHCPU, A273UHCPU-S3

[Packing List]

●Single license product

Product name	Type	Remarks
MX Sheet Version 1 (English version) Single license product	SW1D5C-SHEET -E	CD-ROM(SW1D5C-SHEET-E) × 1 [Including manual (English version)] License agreement × 1 Software license agreement × 1 Software registration form × 1

●Volume license product

You can specify 2+ volume licenses.

Please contact your local Mitsubishi service or representative for details.

Product name	Type	Remarks
MX Sheet Version 1 (English version) Volume license product	SW1D5C-SHEET -EA	CD-ROM(SW1D5C-SHEET-E) × 1 [Including manual (English version)] License agreement × 1 Software license agreement × 1 Software registration form × n ^{*1}

*1: "n" is the same as the number of licenses.

●Additional license product

Product name	Type	Remarks
MX Sheet Version 1 (English version) Additional license product	SW1D5C-SHEET -EAZ	License agreement × 1 Software license agreement × 1 Software registration form × n ^{*1}

*1: "n" is the same as the number of licenses.

●Bundle product

Product name	Type	Remarks
MX WorksVersion1 (English version) (Set product includes MX Sheet and MX Component)	SW1D5C-SHEETSET-E	CD-ROM × 2 (SW1D5C-SHEET-E, SW3D5C-ACT-E 1 set each) [Including manual (English version)] License agreement × 2 Software license agreement × 2 Software registration form × 2 (SW1D5C-SHEET-E × 1 SW3D5C-ACT-E × 1)

[Manual]

●MX Sheet Version 1 (English version)

Manual name	Manual supply status	IB/SH No.	Model code
MX Sheet Version 1 Operating Manual (Introduction)	Sold separately ^{*1}	SH-080347E	13JU34
MX Sheet Version 1 Operating Manual	Sold separately ^{*1}	SH-080348E	13JU35

*1: This product includes the manual data in PDF format.

(In addition, Acrobat Reader, the software needed to view PDF format document on a personal computer is included.)

The printed manual is available separately.

Notes

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Also, ® and TM are omitted in the sentence of this NEW PRODUCT RELEASE.

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