Product Guide

Offering electronic products,
ranging from analog control devices to IoT devices

M-System

Motion Control Technologies

Analog Technologies

Factory Automation
FA

Process Automation
PA

Application Know-hows

Mechatronics Technologies

Software Digital Technologies

Building Automation
BA

LIGHTING

Limited to Japanese market

Mass Production Know-hows
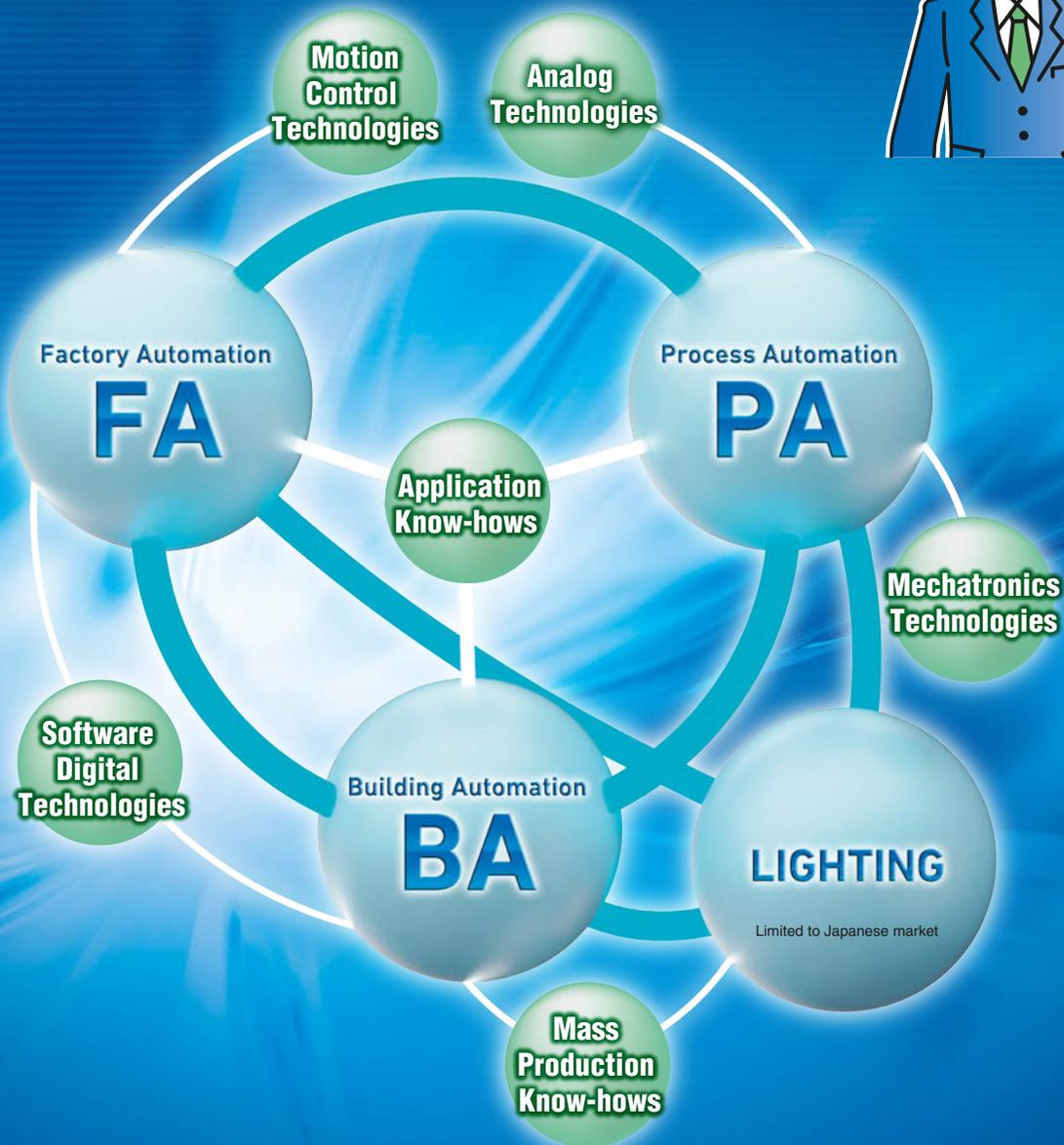
M-System's website provides full of product information with convenient tools.
www.m-system.com

Specification information search

You can search data sheets, instruction manuals, etc. and compare the specifications of desired models by entering the model numbers or keywords. You can also narrow your search from the product category.

Product introduction per category

Introduces M-System's all products classified by category.

Search from application areas

M-System introduces application examples of products classified by application area.

Download

You can gain access to M-System's download pages, such as the Product Catalog, Software Download & Upgrade, and Data Sheet Download (by Series) pages.

Versatile websites in other languages as well.

M-System provides product information in English, Japanese, Chinese, and Korean.

Japanese   Chinese   Korean

MSYSTEM
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Specifications are subject to change without notice. When ordering, use the latest data sheets available at M-System web site: www.m-system.com

Product Guide

M-System is a leading manufacturer of signal conditioners.

The product series introduced here covers only some of M-System's products.
For products not introduced here, please visit M-System's website or see its product catalogs.

Signal Conditioners

Converting measured signals to desired signals.

2-wire Signal Conditioners

Signal conditioners of on-site installation type with no power source required.

Power Transducers

Calculating, displaying, and outputting power quantities.

Indicators

Expressive digital panel meters and bargraph meters.

Tower Lights

Tower lights provided with communicating function.

Limit Alarms

Monitoring measurement signals and outputting alarm contact signals.

Remote I/O

Operating as an interface of measured signals with field networks.

Temperature Controllers

Temperature controller models of on-panel type and in-panel type.

Paperless Recording System

A recorder with no paper required, to which the latest IT technology is applied.

BA & Energy Monitoring Components

From closed systems to open systems.

Limited to Japanese market

Software (SCADA)

Data collection software

PID Control Components

New PID controllers incorporating the latest technology.

Telemetering System & Web Data Loggers

A remote transmission and monitoring system using diverse types of media, such as dedicated lines, telephone lines, or wireless lines.
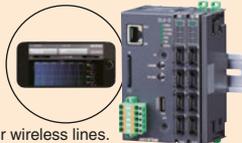
IoT Components

Products with a variety of functions for IoT.

Final Control Components

A proposal for mechatronics conversion of the final control elements.

Lightning Surge Protectors

Lightning surge protectors designed specifically for electronic equipment.

LED Products

A universal LED tube that does not require rewiring of existing lamp holders.

Limited to Japanese market

MGMT's products.

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M-System's **Five Service Policies**
Established under the idea of its
customer-first principle.

All M-System's products and services are provided outside Japan through M-System's authorized distributors. M-System is trying to enhance the customer satisfaction with following 5 service policies. As to the terms and conditions of a specific service, consult M-System for details.

1. Continued Products Availability

❚ We have basic policy of not to discontinue our products without providing compatible replacements.

❚ We always strive to procure all the electronic parts for our products. When a certain electronic part is no longer available, we will make best effort to provide a product compatibly replaceable with the existing product as long as there is substantial demand for such product.

2. Fast and Precise Delivery

❚ The standard manufacturing lead time for most of our products is 5 days.

❚ Quick Service Center is available for 24-48 hours shipment.

❚ Once a delivery time is promised, the customer can of course count on us to deliver them precisely on time.

3. Special Specifications Service with no extra charge

❚ Special specification products can be supplied without additional charge for major product series, except for those requiring excessive labor or materials.

❚ We are putting our effort into expansion of the scope of Special Specifications Service to all of our products. Special Specification Service will be available to more product series in the future.

For detailed terms and conditions applicable to each specific product, consult M-System.

4. Special Repair Service

❚ During the service period of 36 months from the date of purchase, we will provide free repair service for a damage or malfunction caused by a user's mistake when we determine at our discretion that cause of the damage or malfunction falls into the "Service Coverage" set out as conditions of this service. Such free repair service will be limited to one repair per cause of the damage or malfunction.

For detailed terms and conditions applicable to this service, consult M-System.

5. Factory Setting Service with no extra charge

❚ Configuration setting for programmable products is free of charge upon the customer's request for once when ordering, except for those requiring special engineering (e.g. multi-function PID controllers).

For detailed terms and conditions applicable to each specific product, consult M-System.

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M-System offers approximately 3,900 kinds of products, ranging from analog control devices to IoT devices.

BA & Energy Monitoring Components

BA Controller & DDC Supporting LONWORKS and Modbus
Limited to Japanese market

BA3 Series

Modbus, LONWORKS VAV / FCU controller
Limited to Japanese market

BA9 Series

Web-enabled Power Demand Monitor
Limited to Japanese market

EDMC

Smart phone (*1)

Web-enabled Gas Demand Monitor
Limited to Japanese market

GDMC

Smart phone (*1)

Telemetering System & Web Data Loggers

Web Data Logger
DL8 Series

Smart phone (*1)

Web Data Logger
DL30 Series

Web Data Logger
TL2 Series

Limited to Japanese market

Multiplex Transmission System
D3 Series

IoT Components

Web Data Logger
DL8 Series

Web Data Logger
DL30 Series

Web-enabled DAQ System
Tablet Recorder

TR30   TR75
                Limited to Japanese market

Remote graphics panel
RGP Series

Limited to Japanese market
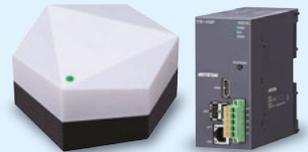
RGP6   RGP30

Wireless-compatible equipments
For limited markets

900, 920 MHz Band Multi-hop Wireless System

Lightning Surge Protectors

M-RESTER Series

Surge Protector for Photovoltaic System

7 models

MATPH etc.

Sensors / Transmitters (provided by the user)

(*1) M-System does not provide mobile terminals (smart phones, tablets) or mobile network operator services.   (*2) Tension-clamp terminal block type - Magnet mounting

PC / DCS / PLC (provided by the user)

Paperless Recording System

Web-enabled DAQ System
Tablet Recorder
TR30/TR75 Series

TR30

CE

Tablet [*1]

TR75

Limited to Japanese market

Indicators

Remote graphics panel
RGP Series
Limited to Japanese market
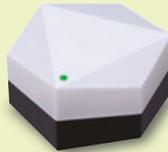
RGP6   RGP30

Digital Panel Meters   W96 × H48 mm (3.78"× 1.89")

Large display type
40 Series
7 models   CE

Ultra-slim digital panel meter stuck with a magnet [*2]
47NL Series
8 models   CE

LCD display type
47 Series
17 models   CE

Bargraph Indicators
48N Series
W36 × H144 mm (1.42"× 5.67")

CE UK CA 13 models

2-wire Signal Conditioners

Head-mounted Signal Conditioners
27/26-UNIT Series

11 models   CE   IS/Ex

Field-mounted Signal Conditioners
27HU-B/B6U-B

CE   IS/Ex

P/I Transducer
PVT etc.

3 models   CE

Terminal Block Type Signal Conditioners
B5-UNIT Series

CE   5 models

Signal Conditioners

Plug-in Socket Mounted Signal Conditioners
M-UNIT Series

188 models

CE c UL us

Signal conditioners with OEL display
M1E Series

OEL display

9 models   CE

Compact signal conditioners
M2 / M2E Series (Mini-M)

78 models

OEL display

12 models   CE

CE c UL us UK CA

I/P and P/I Transducers
HVP etc.

28 models   CE

Plug-in Socket Mounted Signal Conditioners
K-UNIT Series

72 models   CE

Isolation Amplifiers
20 Series

51 models

Ultra-slim Signal Conditioners
M6 Series

63 models

CE c UL us

Surge Protector for Communication Networks

18 models   CE

MDW5-CC etc.

RS-422／RS-485   Ethernet
CC-Link   CC-Link IE Field
DeviceNet   LONWORKS
FOUNDATION Fieldbus
PROFIBUS-PA

3 models   CE

Ethernet lightning surge protector ideal for surveillance cameras
MDCAT etc.

Plug-in Base Mounted Surge Protector

26 models   CE

MDPA-24, MDP-RB etc.

TFT Color LCD Display
71VR1

96 mm (3.78") square size (1/4 DIN size)

CE

Touch Panel Operation
73VR Series

144 mm (5.67") square size

CE

Weighing Indicator
W144 × H72 mm (5.67"× 2.83")

W100 Series

CE

Field Indicators
Loop powered Indicator
6DV/6DV-B

CE IS/Ex

Tower Lights

Wireless Tower Light
900, 920 MHz Band Multi-hop Wireless System
For limited markets

Open Network Capable Tower Light
CC-Link Modbus/TCP

Discrete Input TowerLight

37 models

CE

Rack-mounted Signal Conditioners

Dual output super-mini signal conditioners
M8 Series (Pico-M)

40 models
CE

Super-mini Signal Conditioners
M80 Series

6 models
CE

Terminal Block Type Compact Signal Conditioners

Super-mini terminal block signal conditioners
M5 Series

49 models
CE UKCA

Terminal block dual output signal conditioners
W5 Series

8 models
CE

Base-free Interconnecting Ultra-Slim Signal Conditioners
M60 Series

CE 6 models

Front-configurable Signal Conditioners
MX-UNIT Series

12 models
CE

Power Transducers

Power Transducers

M4 screw connection power transducers
LT-UNIT Series

18 models
CE

Plug-in power transducers
K-UNIT Series

32 models

Multi Power Transducer

920 MHz Band Multi-hop Wireless System
Limited to Japanese market

Multi Power Monitor and Transducer

96 mm (3.78") / 110 mm (4.33") square size

Multi power monitor with 4-line display
54/53-UNIT Series

8 models
CE

CC-Link Modbus LONWORKS BACnet

Limit Alarms

Programmable Alarms

Alarms with LED display
AS4 Series

6 models
CE cRUus

OEL display
Compact alarms with OEL display
M1EA Series

2 models
CE

OEL display
Compact alarms with OEL display
M2EA Series (Mini-M)

6 models
CE

Thumbwheel Switch Adjustments Type Alarms

Direct sensor input analog alarms
AE-UNIT Series

12 models

Ultra-Slim Surge Protector

MD7 Series

MD7AST, MD7ST etc.

17 models
CE

Surge Protector with Life Monitor

MAA, MDM2A etc.

13 models

Field Transmitter Cable Conduit Mount Surge Protector

MD6N, MD6P, MD6T etc.

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LED Products

MGMT's products.

Limited to Japanese market

Remote I/O

Plug-in Remote I/O
R10 Series

2 models
CE

Compact, Mixed Signal Remote I/O
R30 Series

15 models
CE

Multi-channel, Mixed Signal Remote I/O
R3 Series

119 models
CE

Expandable, Compact Remote I/O
R7 Series

273 models
CE cULus

Ultra-slim, Mixed Signal Remote I/O
R6 Series

33 models
CE

Wireless-compatible equipments
For limited markets

900, 920 MHz Band Multi-hop Wireless System

| Network Device

CC-Link   CC-Link IE Field   CC-Link IE TSN   DeviceNet   PROFIBUS

Modbus/TCP   Modbus   LonWorks   MECHATROLINK   T-Link   EtherCAT

FL-net   EtherNet/IP   FLEX NETWORK   HLS Hi-speed Link System   OPC UA

One-Port Lightning Surge Protector for Power Supply

6 models
CE

6 models
CE

MAKN,MAT3 etc.

PID Control Components

Multi-function PID Controllers
SC Series   ABL

9 models
CE

Limited to Japanese market

Temperature Controllers

In-panel type
Temperature controller
R3-TC2

On-panel type
1/4 DIN size, Temperature controller
TC10EM

96 mm (3.78") square size (1/4 DIN size)
CE

Final Control Components

Electric Actuators
MSP/MRP Series

CC-Link   DeviceNet
Modbus

24 models
CE UKCA

PRP
CE

Electric Actuators
PSN/PRP Series

PRP-2

5 models

Position Sensors
2-wire Position Transmitter
VOS2T
CE

Manual Loaders
Analog backup station
ABF3

7

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