Model Code / Additional Spec. Code (No entry if additional spec. code is not specified.)

VM-771B /SU0

Setup *1

*1 A PC is required. Setup option includes initial setup of the PC, installation of the software and PC address setting.

Specification

SYSTEM REQUIREMENTS

HARDWARE REQUIREMENTS

PC/AT compatible personal computer	
Processor	Intel Pentium® compatible (1GHz or higher) processor clock speed recommended
Memory	1GB or higher recommended
Display	1024 X 768 or higher-resolution
Hard disk drive	15GB of available hard-disk space
Drive	CD-ROM drive
Network	Ethernet 100 BASE-TX

SOFTWARE REQUIREMENTS

Category	Model	Edition	Version
OS	Microsoft® Windows® XP (32bit)*2	Professional	SP3
	Microsoft® Windows® 7 (32/64bit)	Professional or higher	Any
	Microsoft® Windows® 8.1(32/64bit)	Pro or higher	Any
	Microsoft® Windows® 10 (32/64bit)	Pro or higher	Any
Others	Microsoft® Windows® installer	—	3.1 or later
	Microsoft® .NET Framework	—	3.5

CONNECTION

Supported devices : VM-7B Monitor, VM-7 Monitor[2]
Total input : 4 devices (Max.)[3]

*2 Modules with firmware versions V0.9.0 or later are required.
*3 Multiple concurrent communication requires a hub.

COMMUNICATION

Network : Ethernet 100Base-TX
Protocol : TCP/IP

RECORDING

SHORT TERM DATA

Data : Measured values of each modules
Acquisition interval : 1 sec.
Period : 1 week

LONG TERM DATA

Data : Maximum values and mean values of measured values
Acquisition interval : 1 hour
Period : 3 years

SCREEN

Bar graph screen : Measured values are displayed in rectangular bars.
Relay status screen : Relay status and logic is displayed.
Trend graph screen : Short term data or long term data is displayed.
Range of short term data display
: 1 hour / 30 minutes / 15 minutes / 10 minutes / 5 minutes / 2 minutes
Range of long term data display
: 3 months / 1 month / 2 weeks / 1 week / 3 days / 1 day
Train screen : Displays measured values and the train diagram.
Detailed information window
: Monitor range and alarm set values are displayed.

DISPLAY DATA

MEASURED VALUES

GAP (bias) voltage indications, Digital indication of measured values

ALARM

DANGER alarm, ALERT alarm, OK alarm (NOT-OK), GAP alarm[4],
System OK alarm (SYSTEM-OK), Power OK alarm (POWER-OK)

*4 Outputs as ALERT alarm.

STATUS

DANGER bypass status, Channel bypass status,
Demo-mode (simulated value setting mode) status, Sequence mode status,
10-pole high-pass filter (10-pole low-cut filter) status, Peak hold status,
First-out status[5], Internal bus communication abnormality status[6],
Communication board install status[7]

*5 Only the ALERT LED of the module first set off DANGER/ALERT alarm flashing.
*6 Only the ALERT LED on the left-end of the screen flashing.
*7 Only available of VM-7B Monitor.

SET VALUES

Channel name, Tag name, Serial number, Firmware ID[8], Monitor range,
DANGER alarm set values, ALERT alarm set values

*8 Only available of VM-7B Monitor.

CONTROL FUNCTIONS

RESET INSTRUCTION

Alarm reset, Peak hold reset, First-out reset

BYPASS INSTRUCTION

DANGER bypass, Channel bypass

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Specification

OTHER FUNCTIONS

Password protection	:	Password authentication is executed to the instruction of the control operation.
Screen capture	:	Captures active screen in PNG form.
CSV output	:	The data of the trend graph under the display is output by Comma Separated Value.

SOFTWARE DISTRIBUTION MEDIA

Media : CD-ROM

⚠ WARNING
Some functions may not be available with old version.
For details, please refer to "infiSYS Family Improvement Information" (6H16-011).

※ The specifications and other items indicated herein are subject to change without notice.
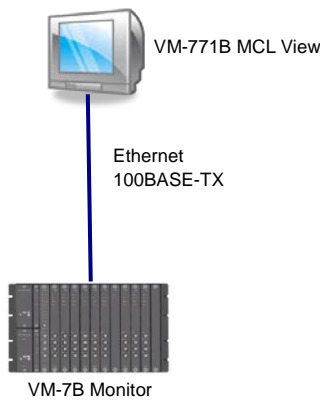※ All company and product names in this brochure are trademarks or registered trademarks.
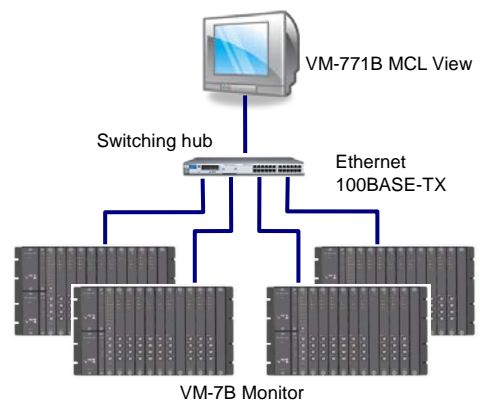
Default Value

Communication

IP Address (Rack1)	:	192.168.8.8
IP Address (Rack2)	:	192.168.8.9
IP Address (Rack3)	:	192.168.8.10
IP Address (Rack4)	:	192.168.8.11
Port Number (All)	:	8888

OTHERS

System Configuration

Connecting to one VM-7B Monitor

Connecting to four VM-7B Monitor

Example of Screen

BAR GRAPH SCREEN

TREND GRAPH SCREEN

※Actual screens may differ from the images shown in this document.

SHINKAWA Sensor Technology, Inc.