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

VM-773B-□□ /GRA /GRB /GRC /GR1/ GR2/ GR3/ GR4/ GR5/ AN1/ RB1 /RB2 /RB3 /WF1 /SU□

Input channel number		Graph option[*1*2]			Data file output

Input channel number	
01	12ch or less
02	13ch to 27ch
03	28ch or more

Graph option[*1*2]			
/GRA	Sleeve bearing set (Including /GR1 to /GR5,/AN1)	/GR1	Cascade plot
		/GR2	Full spectrum plot
/GRB	Rolling bearing set (Including /RB1 to /RB3)	/GR3	Full waterfall plot
		/GR4	Full cascade plot
/GRC	All round set (Including all graphs)	/GR5	Campbell plot
		/AN1	Runout (Slow roll vector)
		/RB1	Peak analysis, Order analysis, Side band analysis
		/RB2	Crest factor, Form factor, Kurtosis, Skewness, Envelope
		/RB3	Spectrum alarm

Set up Configuration point[*3]

0	No configuration	5	101 to 125 points	A	226 to 250 points	F	351 to 375 points
1	1 to 25 points	6	126 to 150 points	B	251 to 275 points	G	376 to 400 points
2	26 to 50 points	7	151 to 175 points	C	276 to 300 points	H	401 to 425 points
3	51 to 75 points	8	176 to 200 points	D	301 to 325 points	J	426 to 450 points
4	76 to 100 points	9	201 to 225 points	E	326 to 350 points	K	451 to 480 points

*1 When specifying from / GRA to / GRC, specify only one of them.
*2 When specifying the "additional specification code" additionally in the set of graphs, please do not duplicate.
*3 A PC and Microsoft SQL Server are required. Setup option includes initial setup of the PC, installation of the software and IP address setting.
   It does not include creation of Modbus server communication setting file, registration and setting of Modbus client, registration and setting of wireless client.

Functions and graphs that can be used for each set

Category	Additional Spec. Code	List and graphs	/GRA to /GRC nothing Basic set	/GRA Sleeve bearing set	/GRB Rolling bearing set	/GRC All round set
Basic function	—	List of current values, List of alarm Setting values, Device list, Event history, Machine train, Trend plot, Long term trend plot, Bar graph, Spectrum plot, Waveform plot, Waterfall plot, X-Y plot, Orbit & waveform plot, Polar plot, Shaft centerline plot, S-V plot, Bode plot	●	●	●	●
Function for sleeve bearing	/GR1	Cascade plot	-	●	-	●
	/GR2	Full spectrum plot	-	●	-	●
	/GR3	Full waterfall plot	-	●	-	●
	/GR4	Full cascade plot	-	●	-	●
	/GR5	Campbell plot	-	●	-	●
	/AN1	Runout correction (Slow roll vector)	-	●	-	●
Function for rolling bearing	/RB1	Peak analysis, Order analysis, Side band analysis	-	-	●	●
	/RB2	Crest factor, Form factor, Kurtosis, Skewness, Envelope	-	-	●	●
	/RB3	Spectrum alarm	-	-	●	●

●: Functions included as standard

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Specification

SYSTEM REQUIREMENTS

HARDWARE REQUIREMENTS (RECOMMENDED OPERATING ENVIRONMENT)

PC/AT compatible personal computer, work station, server, FA-PC*1	
Processor	Intel® Core™ i7 or higher or Xeon® Processor
Memory	16 GB or higher recommended
Display	1280 × 800 or higher resolution is recommended
Graphic card	Direct X 9.0C or higher compatible graphics card
Hard disk drive	1 TB or greater free space recommended
Drive	DVD-ROM drive
Network	Ethernet 100 BASE-TX or higher

SOFTWARE REQUIREMENTS

Category	Model	Edition	Version
OS	Microsoft® Windows® 10 (64bit)	Pro	Any
	Microsoft® Windows® 10 (64bit)	Enterprise	2021LTSC
	Microsoft® Windows® 10 IoT (64bit) *1	Enterprise	2016LTSB
	Microsoft® Windows® 10 IoT (64bit)	Enterprise	2021LTSC
	Microsoft® Windows® 11 (64bit)	Pro	Any
	Microsoft® Windows Server® 2016 (64bit)	Standard	Any
	Microsoft® Windows Server® 2019 (64bit)	Standard	Any
	Microsoft® Windows Server® 2022 (64bit)	Standard	Any
DB*2	Microsoft® SQL Server® 2014 (64bit)	Standard or higher	SP2
	Microsoft® SQL Server® 2016 (64bit)	Standard or higher	Any
	Microsoft® SQL Server® 2017 (64bit)	Standard or higher	Any
	Microsoft® SQL Server® 2019 (64bit)	Standard or higher	Any
	Microsoft® SQL Server® 2022 (64bit)	Standard or higher	Any
Others	Microsoft® .NET Framework	—	3.5

*1 Please inquire separately for models to which processors can be applied.
*2. Use the SQL Server that corresponds to your OS. Check the Microsoft® web page for compatibility information.

ANALYSIS COMMUNICATION FUNCTION (Monitor Communication)

Protocol : TCP / IP based proprietary method
Number of simultaneous connection : 20
Received data : Trend data(vibration, process), waveform data, event data(alarm)

Modbus SERVER FUNCTION (SLEAVE SIDE: DATA RETURN)

Protocol : Modbus/TCP (RTU mode)
Number of simultaneous connection : 5
Data to be sent : Measured value and alarm status

Modbus CLIENT FUNCTION (MASTER SIDE: DATA REQUEST)

Protocol : Modbus/TCP (RTU mode)
Received data : Various numerical data

MAINTENANCE FUNCTION

Database backup

DATA FILE OUTPUT FUNCTION （OPTION） *3

Data collected from devices and configuration information are converted to a file and output.

TARGET DATA*4

Measurement data : Trend data*5
: Waveform data (synchronous, asynchronous)
: Spectrum data(synchronous, asynchronous)
: Diagnostic trend data*6
: Alarm history
: Transient history
Setting information : infiSYS configuration information *7
: Channel setting value
: Alarm setting value
: Runout correction value

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*3 If the waveform data storage interval is shorter than 10 seconds, stored data may be lost.
*4 Each data except infiSYS configuration information is output in CSV format. infiSYS configuration information is output in XML format.
*5 TOP n data of the 920 MHz wireless sensor is not supported.
*6 To output the diagnostic trend data, separately prepare VM-781B infiSYS Diagnostic Software.
*7 The registered devices and the channels contained in them are output in a hierarchical structure.

OUTPUT FILE

Output interval : 60 to 86400 seconds

DATA DISPLAY FUNCTION

DISPLAY

Displayable graphs :
Trend plot, long term trend plot, bar graph, spectrum plot, waveform plot, orbit and waveform plot, waterfall plot, polar plot, shaft centerline plot, X-Y plot, S-V plot, Bode plot
List view :
List of current values, list of alarm setting values, event history*8, device list
Machine train (maximum 24)

*8 In order to display the hardware event history of the VM - 7B monitor on the event history screen of this software, it is necessary to specify / MEM for the VM-741B Local Communication & Phase Marker Module.

DATA DISPLAY FUNCTION

DISPLAY (OPTION)

Displayable graphs :
Cascade plot, full spectrum plot, full waterfall plot, full cascade plot, Campbell plot
Analysis :
Peak analysis, order analysis, side band analysis, crest factor, form factor, kurtosis, skewness, envelope, runout (slow roll vector)

OTHERS

Tile display : Up to 8 single channel graphs or up to 4 paired channel graphs.
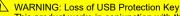Graph display switch tab :Up to 20 graph display pages can be created.

SOFTWARE DISTRIBUTION MEDIA

CD-ROM

ACCESSORIES

USB protection key

⚠ **WARNING: Loss of USB Protection Key**
This product works in conjunction with the USB protection key included in the package; hence, the key has the value equivalent to the application software. Please note that the key is not sold by itself.
Be sure to store it in a secure place because if the USB protection key should be lost, the customer would have to purchase another set of the product.

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

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