

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

VM-76□B /NB1/TRP

I/O type		Non-incendive		Tropical spec.
1	European I/O Terminal Type	1	Class I Division 2 CSA	
2	D-sub I/O Connector Type			

VM-761B Terminal Block / Connector Specification

TRANSDUCER INPUT TERMINAL BLOCK

Type and number : 15pin x 2blocks x 11sets
Matching plug : FRONT-MC1.5/15-STF-3.81 (PHOENIX CONTACT)

RECORDER OUTPUT TERMINAL BLOCK

Type and number : 6pin x 2blocks x 11sets
Matching plug : FRONT-MC1.5/6-STF-3.81 (PHOENIX CONTACT)

CONTACT OUTPUT TERMINAL BLOCK

Type and number : 18pin x 11pieces
Matching plug : FRONT-MC1.5/18-STF-3.81 (PHOENIX CONTACT)

18 CHANNEL RELAY MODULE OUTPUT TERMINAL BLOCK

Type and number : 18pin x 2pieces
Matching plug : FRONT-MC1.5/18-STF-3.81 (PHOENIX CONTACT)

PHASE MARKER INPUT TERMINAL BLOCK

Type and number : 15pin x 1piece
6pin x 1piece
Matching plug : FRONT-MC1.5/15-STF-3.81 (PHOENIX CONTACT)
FRONT-MC1.5/6-STF-3.81 (PHOENIX CONTACT)

CONTACT INPUT TERMINAL BLOCK

Type and number : 6pin x 1piece
Matching plug : FRONT-MC1.5/6-STF-3.81 (PHOENIX CONTACT)

SYSTEM-OK OUTPUT TERMINAL BLOCK

Type and number : 6pin x 1piece
Matching plug : FRONT-MC1.5/6-STF-3.81 (PHOENIX CONTACT)

MONITOR OUTPUT CONNECTOR

Type and number : 9pin D-sub (female) x 11pieces
Fastener size : #4-40UNC
Matching plug : XM3A-0921 (OMRON)
Matching hood : XM2S-0913 (OMRON)

PHASE MARKER MONITOR OUTPUT CONNECTOR

Type and number : 9pin D-sub (female) x 1piece
Fastener size : #4-40UNC
Matching plug : XM3A-0921 (OMRON)
Matching hood : XM2S-0913 (OMRON)

DISPLAY/LOCAL COMMUNICATION CONNECTOR (for MCL View)

Type and number : RJ-45 x 1piece
Network : Ethernet 100Base-TX

DISPLAY COMMUNICATION CONNECTOR (for Touch Screen)

Type and number : 5pin connector x 1piece
Network : RS-485

NETWORK INTERFACE CONNECTOR (for TCP/IP, Modbus/TCP)

Type and number : RJ-45 x 4pieces
Network : Ethernet 100Base-TX / 10Base-T

NETWORK INTERFACE CONNECTOR (for Modbus/RTU)

Type and number : 9pin D-sub (male) (IN) x 2sets
9pin D-sub (male) (OUT) x 2sets
Fastener size : #4-40UNC
Matching plug : XM3D-0921 (OMRON)
Matching hood : XM2S-0913 (OMRON)
Network : RS-485

POWER SUPPLY MODULE TERMINAL BLOCK

Primary for power supply : 1piece
Secondary for power supply : 1piece

OTHERS

Note) The terminal block of each terminals is accessories for each monitor modules. (see each spec sheets)
Connector and hood are not included. It is sold separately.

VM-762B Terminal Block / Connector Specification

TRANSDUCER INPUT CONNECTOR

Type and number : 37pin D-sub (female) x 11pieces
Fastener size : #4-40UNC
Matching plug : XM3A-3721 (OMRON)
Matching hood : XM2S-3713 (OMRON)

RECORDER OUTPUT CONNECTOR

Type and number : 15pin D-sub (female) x 11pieces
Fastener size : #4-40UNC
Matching plug : XM3A-1521 (OMRON)
Matching hood : XM2S-1513 (OMRON)

CONTACT OUTPUT TERMINAL BLOCK

Type and number : 18pin x 11pieces
Matching plug : FRONT-MC1.5/18-STF-3.81 (PHOENIX CONTACT)

18 CHANNEL RELAY MODULE OUTPUT TERMINAL BLOCK

Type and number : 18pin x 2pieces
Matching plug : FRONT-MC1.5/18-STF-3.81 (PHOENIX CONTACT)

PHASE MARKER INPUT CONNECTOR

Type and number : 37pin D-sub (female) x 1piece
Fastener size : #4-40UNC
Matching plug : XM3A-3721 (OMRON)
Matching hood : XM2S-3713 (OMRON)

CONTACT INPUT TERMINAL BLOCK

Type and number : 6pin x 1piece
Matching plug : FRONT-MC1.5/6-STF-3.81 (PHOENIX CONTACT)

SYSTEM-OK OUTPUT TERMINAL BLOCK

Type and number : 6pin x 1piece
Matching plug : FRONT-MC1.5/6-STF-3.81 (PHOENIX CONTACT)

MONITOR OUTPUT CONNECTOR

Type and number : 9pin D-sub (female) x 11pieces
Fastener size : #4-40UNC
Matching plug : XM3A-0921 (OMRON)
Matching hood : XM2S-0913 (OMRON)

PHASE MARKER MONITOR OUTPUT CONNECTOR

Type and number : 9pin D-sub (female) x 1piece
Fastener size : #4-40UNC
Matching plug : XM3A-0921 (OMRON)
Matching hood : XM2S-0913 (OMRON)

DISPLAY /LOCAL COMMUNICATION CONNECTOR (for MCL View)

Type and number : RJ-45 x 1piece
Network : Ethernet 100Base-TX

DISPLAY COMMUNICATION CONNECTOR (for Touch Screen)

Type and number : 5pin connector x 1piece
Network : RS-485

NETWORK INTERFACE CONNECTOR (for TCP/IP, Modbus/TCP)

Type and number : RJ-45 x 4pieces
Network : Ethernet 100Base-TX / 10Base-T

NETWORK INTERFACE CONNECTOR (for Modbus/RTU)

Type and number : 9pin D-sub(male) (IN) x 2sets
: 9pin D-sub(male) (OUT) x 2sets
Fastener size : #4-40UNC
Matching plug : XM3D-0921 (OMRON)
Matching hood : XM2S-0913 (OMRON)
Network : RS-485

POWER SUPPLY MODULE TERMINAL BLOCK

Primary for power supply : 1piece
Secondary for power supply : 1piece

OTHERS

Note) The terminal block of each terminals is accessories for each monitor modules. (see each spec sheets)

Connector and hood are not included. It is sold separately.

Standard Common Specifications

ENVIRONMENTAL CONDITION

Operating temperature : 0~+65°C
Storage temperature : -30~+85°C
Relative humidity : 20~95%RH (non-condensing)

INSULATION RESISTANCE

Between power supply and contact ,GND : 100MΩ at 500VDC

DIELECTRIC STRENGTH

Between power supply and GND : 2000VAC one minute
Between contact and GND : 500VAC one minute

MATERIAL AND FINISH

Body : Highly corrosionresistant hot dip coated steel sheet (Silver)
Side panel : SPCC (Black)

MASS

VM-761B : Max. 9.5kg (21lb) (exclude plug)
VM-762B : Max. 10.5kg (23lb)

Note) If you consider the panel is lacking in strength, use additional fasteners to support the unit.

OUTLINE SIZE

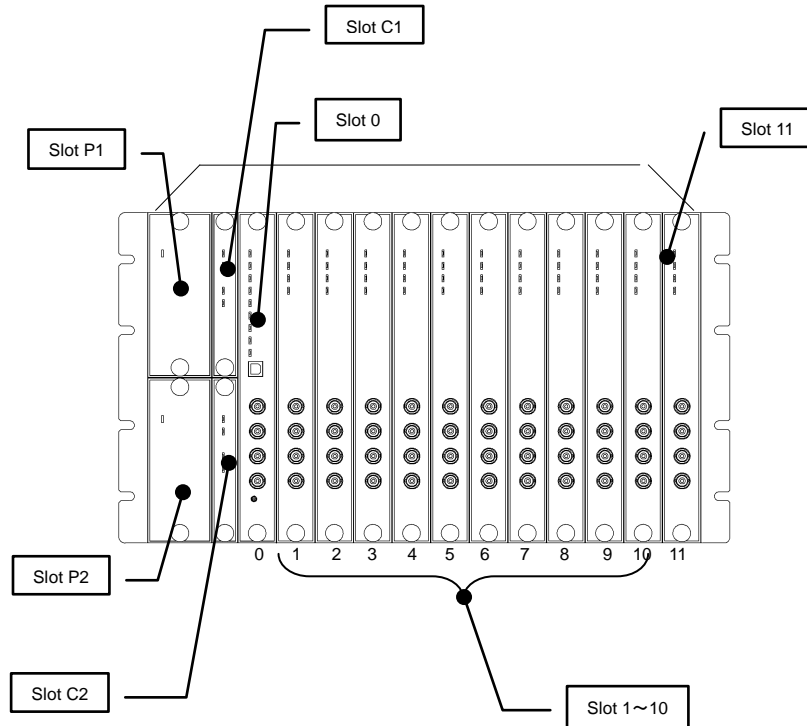
Max. : W 482.6 x H 265.9 x D 350 (mm)

SEPARATELY SOLD ITEM

Bezel : VZ-78-1

OTHERS

Module Location



Module / Panel	Model	Slot No.															
		P1	P2	C1	C2	0	1	2	3	4	5	6	7	8	9	10	11
Power Supply Module (primary)	VM-75□1B	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Power Supply Module (secondary)	VM-75□2B	-	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Local Communication & Phase Marker Module	VM-741B	-	-	-	-	○	-	-	-	-	-	-	-	-	-	-	-
Network Communication Module	VM-742B	-	-	○	○	-	-	-	-	-	-	-	-	-	-	-	-
Vibration/Displacement Monitor Module	VM-701B	-	-	-	-	-	○	○	○	○	○	○	○	○	○	○	○
Absolute Vibration Monitor Module	VM-702B	-	-	-	-	-	○	○	○	○	○	○	○	○	○	○	○
Tachometer & Eccentricity Monitor Module	VM-703B	-	-	-	-	-	○	○	○	○	○	○	○	○	○	○	○
Temperature Monitor Module	VM-704B	-	-	-	-	-	○	○	○	○	○	○	○	○	○	○	○
18-Channel Temperature Monitor Module	VM-705B	-	-	-	-	-	○	○	○	○	○	○	○	○	○	○	○
Rod Drop Monitor Module	VM-706B	-	-	-	-	-	○	○	○	○	○	○	○	○	○	○	○
Aeroderivative Gas Turbine Monitor Module	VM-707B	-	-	-	-	-	○	○	○	○	○	○	○	○	○	○	○
18-Channel Relay Module	VM-721B	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	○
9-Channel Relay Module	VM-722B	-	-	-	-	-	○	○	○	○	○	○	○	○	○	○	○
30mm (W) Blank Panel	VZ-71	-	-	-	-	- ^{*1}	○	○	○	○	○	○	○	○	○	○	○
20mm (W) Blank Panel	VZ-75	-	-	○	○	-	-	-	-	-	-	-	-	-	-	-	-
50mm (W) Blank Panel	VZ-76	- ^{*2}	○	-	-	-	-	-	-	-	-	-	-	-	-	-	-

*1 Local Communication & Phase Marker Module installed in Slot 0 with any rack design.

*2 Primary power supply installed in Slot P1.