

VM-5 SERIES MONITOR  
SPECIFICATIONS

MODEL VM-5P3 PHASE MARKER UNIT



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

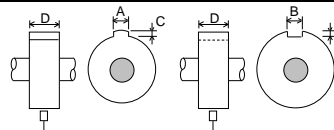
VM-5P 3 - 1 - [ ] [ ] - [ ] [ ] - [ ] /TRP

Serial interface	Input signal	Hysteresis set value (shaped waveform circuit) (CH1)		Hysteresis set value (shaped waveform circuit) (CH2)		Alarm reset system OK		Relay mode system OK		Trigger mode		Tropical spec.	
3	Not provided	1	VK,RD,FK Series	0	1.0V	0	1.0V	0	AUTO-RESET	0	NORMALLY DE-ENERGIZED	0	Auto
				1	0.1V	1	0.1V	1	SELF-HOLD	1	NORMALLY ENERGIZED	1	Manual
				2	0.2V	2	0.2V						
				3	0.5V	3	0.5V						

Note) \*1 CE means conformity with EC directive for only this equipment, but not for all the units which are installed in the rack, nor for the whole system.

Ordering Information

DIMENSION OF TARGET(Model VK,RD,FK)



CAUTION) To detect a projection(gear),provide surface A of the projection with a concentric curve. Do not make it flat.

A= \_\_\_\_\_ mm  
B= \_\_\_\_\_ mm  
C= \_\_\_\_\_ mm  
D= \_\_\_\_\_ mm

Input	VK-202A RD-05A FK-202F	VK-452A FK-452F	VK-302P
Dimension of target [recommended] (mm)	A ≥ 6 B ≥ 7 C ≥ 2.5 D ≥ 16	≥16 ≥20 ≥ 4.5 ≥36	≥ 8 ≥ 2.5
Set gap [recommended](mm)	1.0 to 1.5	2.5 to 3.5	1.0 to 1.5

Standard Specifications

ABNORMAL INPUT ALARM FUNCTION SETUP	ON(enabled) or OFF(disabled) Preset to OFF(disabled) (Can be changed using the internal jumper)
TRANSDUCER POWER SUPPLY	-24VDC±1V, 20mA
POWER SUPPLY OK INDICATOR	PWR SUPPLY OK : (green LED)
SEQUENCE STATE INDICATOR	SEQUENCE ENABLE : (yellow LED)
TRIGGER INDICATOR	TRIGGER : (yellow LED)
TEMPERATURE RANGE	Operating temperature : 0 to 65°C (32 to 149°F REF.) Storage temperature : -30 to +85°C (-22 to +185°F REF.) Relative humidity : 20 to 95%RH (noncondensing)
FINISH	Face plate : Munsell N-4.0 (equiv.)
MASS	Unit : max.0.6kg (max.1.4lb REF.)
OTHER	

Standard Specifications

POWER SUPPLY	Supplied from instrument rack (VM-5H or VM-5W)
PHASE MARKER SIGNAL	Phase marker : 2ch Max. Input impedance : Approx.10kΩ
INPUT VOLTAGE	0 to 25VDC
BUFFER OUTPUT	Phase marker signal : 2ch Output voltage : -1 to -20VDC Output impedance : 50Ω
PULSE OUTPUT	Shaped pulse signal is output via a buffer amplifier. Signal level : -1 to +1V(P <sub>L</sub> ), 4 to 6V(P <sub>H</sub> ) Output impedance : 50Ω

Note) Model VM-5P3 Phase marker unit can be installed on 1 unit(VM-5P3)/1 rack(VM-5H or VM-5W Instrument Rack), can not be installed on Model VM-5G Single Unit Instrument Rack.  
The system OK alarm contacts on the instrument rack are not functional unless the VM-5P3 is mounted.

Alarm contact operation

Monitor alarm relay mode	Monitor power OFF	Monitor power ON	
		Normal state	Alarm state
NO contact NORMALLY DE-ENERGIZED	OPEN	OPEN	CLOSE
NO contact NORMALLY ENERGIZED	OPEN	CLOSE	OPEN
NC contact NORMALLY DE-ENERGIZED	CLOSE	CLOSE	OPEN
NC contact NORMALLY ENERGIZED	CLOSE	OPEN	CLOSE