

VM-5 SERIES MONITOR
SPECIFICATIONS

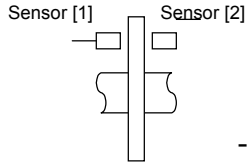
MODEL VM-5L COMPLEMENTARY INPUT
DIFFERENTIAL
EXPANSION MONITOR



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

VM-5L- 0 -

Monitor range	Input signal	Frequency response	Polarity*1	Recorder output	Alarm reset (DANGER)	Alarm reset (ALERT)	Alarm reset (OK)
1 0 to 25mm	1 VK-143P,FK-143F	0 DC to 0.5Hz	1 Direct	0 4 to 20mADC	0 AUTO-RESET	0 AUTO-RESET	0 AUTO-RESET
2 -25 to 0 to +25mm	2 VK-263P,FK-263F		2 Reverse	1 1 to 5VDC	1 SELF-HOLD	1 SELF-HOLD	1 SELF-HOLD
3 0 to 50mm	3 VC Series (Voltage output only)			2 Output card (/IS□ or /RE□ option)			
4 0 to 75mm							
5 -1.0 to 0 to +1.0inch							
6 0 to 2.0inch							



Note) *1

FK/VK

VC

Polarity	Indication and rec. output	
	Toward sensor [1]	Toward sensor [2]
Direct	Increase	Decrease
Reverse	Decrease	Increase

Polarity	Indication and rec. output	
	Toward sensor [1]	Toward sensor [2]
Direct	Decrease	Increase
Reverse	Increase	Decrease

Relay mode (DANGER)	Relay mode (ALERT)	Relay mode (OK)	Alarm delay time (DANGER)	Alarm delay time (ALERT)	Alarm output type	First out*2
0 NORMALLY DE-ENERGIZED	0 NORMALLY DE-ENERGIZED	0 NORMALLY DE-ENERGIZED	0 3 sec.	0 3 sec.	1 CH1 : 2 points (DANGER1,ALERT1) H,L are OR output	0 OFF
1 NORMALLY ENERGIZED	1 NORMALLY ENERGIZED	1 NORMALLY ENERGIZED	1 1 sec.	1 1 sec.		1 CH1 : 4 points (H-DANGER,H-ALERT, L-ALERT,L-DANGER)
			2 6 sec.	2 6 sec.		
			3 None	3 None		

/(IS or RE)/5G /TRP/EX

Isolate output	Recorder option output	Input power supply requirements*3	Tropical spec.	Sensitivity correction
0 4 to 20mADC	2 0 to -10VDC	0 85 to 264VAC		2 FM
1 1 to 5VDC	3 0 to 10VDC	1 24VDC		4 CSA
2 0 to -10VDC	4 0 to -5VDC	2 110VDC		5 ATEX
3 0 to 10VDC	5 0 to 5VDC			
4 0 to -5VDC				
5 0 to 5VDC				

Note) *2 It is necessary to set all monitor units in the same rack in first out function ON when it is used first out function.
*3 The product that the power supply voltage specification is 0 or 2 does not conform to CE.

When recorder output code 2 is selected, specify this option code.

Note) Input abnormal alarm is not applicable in case of VC input signal.

Ordering Information		Standard Specifications	
ALARM SET VALUE	H-DANGER : _____ H-ALERT : _____ L-ALERT : _____ L-DANGER : _____ Unless specified otherwise, preset to : H-DANGER : 100% of monitor range H-ALERT : 90% of monitor range L-ALERT : 10% of monitor range L-DANGER : 0% of monitor range	ALARM INDICATOR	DANGER : (red LED) ALERT : (yellow LED)
		ABNOR.ALARM INDICATOR	OK : (green LED)
		BYPASS INDICATOR	BYPASS : (red LED)
		TRANSDUCER INPUT	VK-143P,FK-143F,VK-263P,FK-263F,VC Series Number of input points : 2 points
		INPUT IMPEDANCE	Approx.50kΩ
		EXTERNAL CONTACT INPUT (FROM REAR PANEL)	Contact type:Dry contact Contact for external reset
		BAR GRAPH METER	Recorder output conversion accuracy ± 2.5% of F.S.
		ZERO SHIFT	0 to 100% of monitor range
		DIGITAL METER	Recorder output conversion accuracy ± 1.0% of F.S.
		RECORDER OUTPUT CONVERSION ACCURACY	± 0.5% of F.S. at 25°C ± 2.0% of F.S. at 0 to 65°C
		RECORDER OUTPUT (FROM REAR PANEL)	Voltage or current output proportional to monitor range 1 to 5VDC (output impedance : 250Ω) 4 to 20mADC (max.load resistance : 500Ω) 0 to -10VDC*, 0 to 10VDC*, 0 to -5VDC*, 0 to 5VDC* (output impedance : 100Ω) (*option) Number of output points : 1 point
		MONITOR OUTPUT (FROM FRONT,REAR PANEL)	Input signal is output via a buffer amplifier. Signal level : -0.8 to -22VDC(VK), 0 to 5VDC(VC) Output impedance : 100Ω (load resistance 50kΩ or more)
		TEMPERATURE RANGE	Operating temperature : 0 to 65°C(32 to 149°F) Storage temperature : -30 to +85°C(-22 to +185°F) Relative humidity : 20 to 95%RH(noncondensing)
		MATERIAL AND FINISH	Face plate : Aluminum Munsell N-4.0 (equiv.)
		MASS	Monitor : max.0.7kg (including single unit instrument rack : max.2.5kg)
ALARM SET POINT	4 points (H-DANGER,H-ALERT,L-ALERT,L-DANGER)		
ALARM SET RANGE	-10 to +110% of monitor range		
ALARM SET ACCURACY	± 1.0% of F.S. or less		
ALARM SET REPEATABILITY	±0.1% of F.S. or less		
ALAMR OUTPUT	3 points (DANGER,ALERT,OK) or 4 points (DANGER,ALERT,OK1,OK2) (H,L are OR output) (6 points when 4-opint alarm is selected for CH1)		
MEASURED VALUE	LCD digital meter with 5 digits (7 segments, with back light) LCD bar graph meter (40 segments, with back light) * Measurement value and alarm set value are indicated on the digital meter and bar graph meter simultaneously.		
OTHERS			