

VM-5 SERIES MONITOR
SPECIFICATIONS

MODEL VM-5D DUAL DIFFERENTIAL
EXPANSION MONITOR



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

VM-5D- 0 -

Monitor range		Input signal		Frequency response	Polarity*1		Recorder output		Alarm reset (DANGER)		Alarm reset (ALERT)		Alarm reset (OK)		
1	-5 to 0 to +5mm	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	0 to 10mm	2	VK-263P,FK-263F			2	Reverse	1	1 to 5VDC	1	SELF-HOLD	1	SELF-HOLD	1	SELF-HOLD
3	-10 to 0 to +10mm	3	VC Series Voltage output only	Note) *1 FK/VK		Polarity		Recorder output		Alarm reset (DANGER)		Alarm reset (ALERT)		Alarm reset (OK)	
4	0 to 20mm														
5	-0.25 to 0 to +0.25inch														
6	0 to 0.5inch														
7	-0.5 to 0 to +0.5inch														
8	0 to 1.0inch														

Polarity	Indication and rec. output	
	Toward sensor	Away from sensor
	Direct	Increase
Reverse	Decrease	

Polarity	Indication and rec. output	
	Toward sensor	Away from sensor
	Direct	Decrease
Reverse	Increase	

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) CH2 : 2 points (DANGER2,ALERT2)	0	OFF
1	NORMALLY ENERGIZED	1	NORMALLY ENERGIZED	1	NORMALLY ENERGIZED	1	1 sec.	1	1 sec.			1	ON
						2	6 sec.	2	6 sec.			2	CH1 : 4 points (H-DANGER,H-ALERT, L-ALERT,L-DANGER)
						3	None	3	None				

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

Isolate output		Recorder option output		Input power supply requirements		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							

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

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.

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

Ordering Information		Standard Specifications		
ALARM SET VALUE	H-DANGER1 : _____	ALARM INDICATOR	DANGER : (red LED)	
	H-ALERT1 : _____		ALERT : (yellow LED)	
	L-ALERT1 : _____	ABNOR.ALARM INDICATOR	OK : (green LED)	
	L-DANGER1 : _____	BYPASS INDICATOR	BYPASS : (red LED)	
	H-DANGER2 : _____	TRANSDUCER INPUT	VK-143P,FK-143F, VK-263P,FK-263F, VC Series	
	H-ALERT2 : _____		Number of input points : 2 points	
	L-ALERT2 : _____	INPUT IMPEDANCE	Approx.50kΩ	
	L-DANGER2 : _____	EXTERNAL CONTACT INPUT (FROM REAR PANEL)	Contact type:Dry contact Contact for external reset	
	Unless specified otherwise, preset to :		BAR GRAPH METER	Recorder output conversion accuracy ±2.5% of F.S.
	H-DANGER : 100% of monitor range		ZERO SHIFT	0 to 100% of monitor range
H-ALERT : 90% of monitor range		DIGITAL METER	Recorder output conversion accuracy ±1.0% of F.S.	
L-ALERT : 10% of monitor range		RECORDER OUTPUT CONVERSION ACCURACY	±0.5% of F.S. at 25°C ±2.0% of F.S. at 0 to 65°C	
L-DANGER : 0% of monitor range		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 : 2 points	
OTHERS		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)	
ALARM SET POINT		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% (noncondensing)	
ALARM SET RANGE		MATERIAL AND FINISH	Face plate : Aluminum Munsell N-4.0 (equiv.)	
ALARM SET ACCURACY		MASS	Monitor : max.0.7kg (including single unit instrument rack : max.2.5kg)	
ALARM SET REPEATABILITY				
ALARM OUTPUT				
MEASURED VALUE				
OTHERS				