

VM-5 SERIES MONITOR
SPECIFICATIONS

MODEL VM-52 BOTTOM HOLD MONITOR



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

VM-52- 0 -

Monitor range	Input signal	Frequency response	Polarity*1	Recorder output	Alarm reset (DANGER)	Alarm reset (ALERT)	Alarm reset (OK)	
1 0 to +2.0mm	1 VK-452A,FK-452F	0 1 to 500Hz	1 Direct	0 4 to 20mADC	0 AUTO-RESET	0 AUTO-RESET	0 AUTO-RESET	
2 0 to +3.0mm			2 Reverse	1 1 to 5VDC	1 SELF-HOLD	1 SELF-HOLD	1 SELF-HOLD	
3 0 to +4.0mm			2 Output card (/IS□ or /RE□ option)		Note) *1			
4 0 to +4.5mm								

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

- - 0

Relay mode (DANGER)	Relay mode (ALERT)	Relay mode (OK)	Alarm delay time (DANGER)	Alarm delay time (ALERT)	Alarm output type
0 NORMALLY DE-ENERGIZED	0 NORMALLY DE-ENERGIZED	0 NORMALLY DE-ENERGIZED	0 3 s	0 3 s	
1 NORMALLY ENERGIZED	1 NORMALLY ENERGIZED	1 NORMALLY ENERGIZED	1 1 s	1 1 s	
			2 6 s	2 6 s	
			3 None	3 None	

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

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

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

Note) *2 The product that the power supply voltage specification is 0 or 2 does not conform to CE.

Order Information		Standard Specifications	
ALARM SET VALUE	H-DANGER1 : _____ H-ALERT1 : _____ L-ALERT1 : _____ L-DANGER1 : _____ H-DANGER2 : _____ H-ALERT2 : _____ L-ALERT2 : _____ L-DANGER2 : _____ Unless specified otherwise, preset to : H-DANGER : 80% of monitor range H-ALERT : 60% of monitor range L-ALART : Invalid L-DANGER : Invalid	ALAMR INDICATOR	DANGER : (red LED) ALERT : (yellow LED)
OTHERS	_____	ABNOR. ALAMR INDICATOR	OK : (green LED)
		BYPASS INDICATOR	BYPASS : (red LED)
		TRANSDUCER INPUT	PK-452P,VK-452A,FK-452F Number of input points : 2 points
		INPUT IMPEDANCE	Approx.50kΩ
		EXTERNAL CONTACT INPUT (FROM REAR PANEL)	Contact type:Dry contact Contact for external reset Contact for operation/stop signal
		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	± 1.0% 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 : 2 points
ALARM SET POINT	8 points (H-DANGER1,H-ALERT1,L-ALERT1,L-DANGER1, H-DANGER2,H-ALERT2,L-ALERT2,L-DANGER2)	MONITOR OUTPUT (FROM FRONT, REAR PANEL)	Input signal is output via a buffer amplifier. Signal level : -0.8 to -22VDC Output impedance : 100Ω (load resistance 50kΩ or more)
ALARM SET RANGE	-10% to +110% of monitor range	TEMPERATURE RANGE	Operating temperature : 0 to 65°C Storage temperature : -30 to +85°C Relative humidity : 20 to 95%RH (noncondensing)
ALARM SET ACCURACY	± 1.0% of F.S. or less	MATERIAL AND FINISH	Face plate : Aluminum Munsell N-4.0 (equiv.)
ALARM SET REPEATABILITY	± 0.1% of F.S. or less	MASS	Monitor : max.0.7kg (including single unit instrument rack max.2.5kg)
ALARM OUTPUT	5 points (ALERT1,ALERT2,DANGER1,DANGER2,OK) or 6 points (ALERT1,ALERT2,DANGER1,DANGER2,OK1,OK2)		
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	_____		