VM-5 SERIES MONITOR SPECIFICATIONS

MODEL VM-5T DUAL THRUST MONITOR

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Model Code / Additional Spec. Code(No entry if additional spec. code is not specified.)			
VM-5T-			
Monitor range	Input signal Frequency response Polarity*1	Recorder output	Alarm reset Alarm reset (DANGER) (ALERT) (OK)
1 -0.5 to 0 to +0.5m	m VK-202A, 0 DC to 0.5Hz 1 Direc	t 0 4 to 20mADC	0 AUTO-RESET 0 AUTO-RESET 0 AUTO-RESET
2 -1.0 to 0 to +1.0m	m 1 VK-202P, 2 Rever	se 1 1 to 5VDC	1 SELF-HOLD 1 SELF-HOLD 1 SELF-HOLD
3 -2.0 to 0 to +2.0m 4 -25 to 0 to +25mi		Output card 2 //IS□ or /RE□	
5 -40 to 0 to +40mi	ls 3 VK-452A,FK-452F Note) *1 FK/VK	option	VC
6 -80 to 0 to +80mi	VC Sorios Polority	Indication and rec. or	Polarity
	5 (Voltage output only)		om sensor Direct Decrease Increase
	or range 2(-1.0 to 0 to +1.0mm) or 5(-40 to 0 to ed with input signal 1 and intrinsically safe		rease Reverse Increase Decrease
	onstruction, the OK alarm set point falls within the		
range. Therefore, use the monitor within 90% of the range			
Relay mode (DANGER)	Relay mode Relay mode Alarm Delay time A (ALERT) (OK) (DANGER)	larm delay time (ALERT)	Alarm output type First out*2
0 NORMALLY	NORMALLY 0 3 sec. (3 sec. ₁ CH1	: 2 points(DANGER1,ALERT1)H,L are OR output 0 OFF
DE-ENERGIZED NORMALLY	DE-ENERGIZED DE-ENERGIZED 1 1 sec.		2: 2 points(DANGER2,ALERT2)H,L are OR output
1 ENERGIZED 1	NORMALLY 1 NORMALLY 2 6 sec. 2 ENERGIZED 3 None 3		L-DANGER)
Note) *2 It is necessary	to set all monitor units in the same rack in first out function ON w	HEILIN -	2 : None
used first out fu	inction.		ng logic NGER : AND output of CH1,2
		ALE	RT : OR output of CH1,2
			ng logic NGER: OR output of CH1.2
/(IS or F	RE)/5G /TRP/EX /LG	ALE	RT : AND output of CH1,2
기 무 이 기		5 Spe	cial alarm logic(option)
Special alarm logic			
Isolate output		itivity DAN	GER ALERT
0 4 to 20mADC 2 0 to -10VDC 0 85 to 264VAC 1 TIIS(IEC) DANGER DANGER ALERT ALERT			
1 1 to 5VDC 3	3 0 to 10VDC 1 24VDC 2	FM DANGER	NOT OK ALERT —
	4 0 to -5VDC 2 110VDC 4 5 5	CSA 1 NOT OK ATEX NOT OK	
4 0 to -5VDC	3 - 0.00120		— NOT OK ALERT
5 0 to 5VDC When recorder output code 2 is selected,			
specify this option code. Note) Input abnormal alarm is not applicable in case of VC input signal.			
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	Ordering Information	S	tandard Specifications
ALARM SET VALUE	H-DANGER1 :	ALARM INDICATOR	DANGER: (red LED)
	H-ALERT1 :	ABNOR. ALARM	ALERT : (yellow LED) OK : (green LED)
	L-ALERT1 : L-DANGER1 :	INDICATOR	,
	H-DANGER2 :	BYPASS INDICATOR TRANSDUCER INPUT	BYPASS : (red LED) VK-202A,VK-202P,FK-202F,VK-302P,FK-302F,
	H-ALERT2 :		VK-452A,FK-452F,VK-602P,FK-602F,VC Series
	L-DANGER2 :	INPUT IMPEDANCE	Number of input points : 2 points Approx. 50kΩ
	Unless specified otherwise, preset to :	EXTERNAL CONTACT	Contact type : Dry contact
	H-DANGER: 100% of monitor range H-ALERT: 90% of monitor range	(FROM REAR PANEL)	Contact for external reset
	L-ALERT: 10% of monitor range L-DANGER: 0% of monitor range	BAR GRAPH METER	Recorder output conversion accuracy ±2.5% of F.S.
	9	ZERO SHIFT DIGITAL METER	0 to 100% of monitor range Recorder output conversion accuracy ±1.0% of F.S.
ALADM SET DOINT	Standard Specifications	RECORDER OUTPUT CONVERSION	±0.5% of F.S. at 25°C ±2.0% of F.S. at 0 to 65°C
ALARM SET POINT	8 points (H-DANGER1,H-ALERT1,L-DANGER1,L-ALERT1, H-ALERT2,H-DANGER2,L-ALERT2,L-DANGER2)	ACCURACY	12.0 % UI F.S. AL U IU 05 C
ALARM SET RANGE	0 to 110% of monitor range	RECORDER OUTPUT	Voltage or current output proportional to monitor range 1 to 5VDC (output impedance : 250Ω)
ALARM SET ACCURACY	±1.0% of F.S. or less	(FROM REAR PANEL)	4 to 20mADC (max. load resistance : 500Ω)
ALARM SET	±0.1% of F.S. or less	1	0 to -10VDC*,0 to 10VDC*,0 to -5VDC*,0 to 5VDC* (output impedance : 100Ω) (*option)
REPEATABILITY			Number of output points : 2 points
ALARM OUTPUT	5 points (DANGER1,ALERT1,ALERT2,DANGER2,OK) or 6 points (DANGER1,ALERT1,ALERT2,DANGER2,OK1,OK2)	MONITOR OUTPUT (FROM FRONT, REAR	Input signal is output via a buffer amplifier. Signal level : -0.8 to -22VDC(VK), 0 to 5VDC(VC)
	(H,L are OR output)	PANEL)	Output impedance : 100Ω (load resistance $50k\Omega$ or more)
MEASURED VALUE	LCD digital meter with 5 digits (7 segments, with back light) LCD bar graph meter (40 segments, with back light)	TEMPERATURE RANGE	Operating temperature : 0 to 65°C (32 to 149°F REF.) Storage temperature : -30 to +85°C (-22 to +185°F REF.)
	* Measurement value and alarm set value are indicated on	=	Relative humidity : 20 to 95% (noncondensing)

MATERIAL AND FINISH Face plate
MASS Monitor

OTHERS

the digital meter and bar graph meter simultaneously.

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Face plate : Aluminum Munsell N-4.0 (equiv.)

Monitor : max.0.7kg
(including single unit instrument rack : max.2.5kg)