MK-64 series specifications

Models		MK-64	MK-64-S001	MK-64-S003
Vibration Pickup		Piezo-electric acceleration type 5.1mV(m/s^2) (50mV/G) (Our standard specifications)		
Measuring mode & frequency range		2 output modes can be chosen. These are simultaneously output.		
		A1 Acceleration RMS (5Hz to A2 Acceleration RMS (1kHz to A3 Acceleration PEAK (1kHz to V Velocity RMS (5Hz to D Displacement (p-p) (5Hz to 1kHz) *"15Hz to 1kHz" can be chosen by a switch on a back side.	A1 Acceleration OA (5Hz to 20kHz) A2 Acceleration OA (1kHz to 20kHz) A3 Acceleration PEAK (1kHz to 20kHz) V Velocity OA (5Hz to 1kHz) D Displacement (p-p) (5Hz to 1kHz) *"15Hz to 1kHz" can be chosen by a switch on a back side.	
Measuring range 5 ranges in each mode		A1 5, 15, 50, 150, 500 m/s^2 A2 5. 15, 50, 150, 500 m/s^2 A3 5, 15, 50, 150, 500 m/s^2 V 5, 15, 50, 150, 500 mm/s D 50, 100, 200, 500, 1000 μm		A1 0.5, 1.5, 5, 15, 50 G A2 0.5, 1.5, 5, 15, 50 G A3 0.5, 1.5, 5, 15, 50 G V 0.5, 1.5, 5, 15, 50 cm/s D 50, 100, 200, 500, 1000 μm
Accuracy	Conversion error	0.2%F.S.		
		Measurement condition: Acceleration (A1) "Sine wave at 1kHz 10m/s^2" in 50m/s^2 range Velocity (V) "Sine wave at 155.97Hz 10mm/s" in 50mm/s range Displacement (D) "Sine wave at 70.46Hz 50μm" in 200μm range		Measurement condition Acceleration(A1) "Sine wave at 1kHz 1G" in 5G range Velocity (V) "Sine wave at 155.97Hz 1cm/s" in 5cm/s range Displacement (D) "Sine wave at 70.46Hz 50μm" in 200μm range
	Non-linearity	Acceleration(A1),(A2) ±1% F.S. Velocity(V), Displacement(D) ±5% F.S. Measurement condition: at 50m/s^2, 50mm/s and 500μm in the range of full scale 10% to 100%		
	Range switching error	±3% Measurement condition: Error against original input data, at measurement of input signal equivalent to 20% in full scale range, at one-step rougher range		
	Alarm output	One upper limit level in each of OUT1 and OUT2 Output : Relay contact 1a Contact capacity 5W(AC 100V 0.05A, DC 24V 0.2A) (max. voltage AC110V DC100V, max. current 1A) An alarm is outputted after the time (0 - 15 seconds) set up by the on-delay timer, from the time of measured value at exceeding an alarm level. An alarm is not outputted if the measured value is below alarm level during the delay time.		
	Output	DC 4 to 20mA Allowable load resistance under 500Ω (Terminal block on the back side) (Equivalent to $_{P-P}$ at Displacement mode only, equivalent to $_{O-P}$ at other modes) AC PU through signal (5.1mV/(m/s^2)) (Output from BNC connector on the front panel) (PU through signal is outputted at original detected signal.)		
	Operating temperature	-10 to 60 degrees Celsius (No condensation)		
	Power supply	AC 85～264V 50/60Hz, below 10W (Fuse rated 0.5A)		
	Dimensions	54W × 180H × 160D mm (No fitting and protrusions included in external dimensions)		
	Mass	Approx.880g		