

# Shock detector SK-500

Small piezoelectric sensors adoption  
Relay output, monitor output, on-delay timer function



## CONTROLLER SPECIFICATIONS

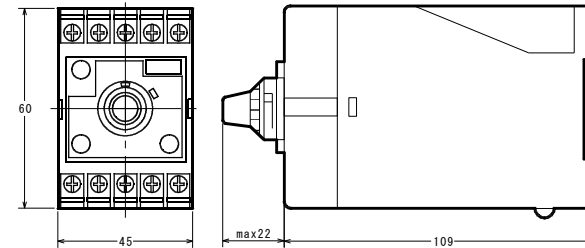
| ITEM                                   | TYPE | SK-500                                    |
|--|------|---|
| DYNAMIC RANGE                          |      | 0.1~100Gpk                                |
| RESOLUTION                             |      | 0.01Gpk                                   |
| RESPONSE FREQUENCY                     |      | 5Hz~6kHz±0.5dB 3Hz~5Hz · 6kHz~ 10kHz ±3dB |
| ACCURACY                               |      | ±1% at 100Hz                              |
| ANALOG COLTAGE OUTPUT (MONITOR OUTPUT) |      | AC 0~16V(p-p)                             |
| MONITOR OUTPUT                         |      | DC 0~8V                                   |
| RELAY OUTPUT                           |      | NO MAX AC250V2A(resistive)                |
| RESPONSE TIME                          |      | 10msec                                    |
| SENSITICITY ADJ.                       |      | 10 turn pot. w/lock                       |
| FUNCTION                               |      | On-delay timer (0~2sec)                   |
| AMBIENT TEMPERATURE                    |      | -10~60°C                                  |
| AMBIENT HUMIDITY                       |      | 85%RH or less, non-condensing             |
| POWER SUPPLY                           |      | AC100/200±15%、50/60Hz                     |
| CONSUMPTION                            |      | 3VA or less                               |

## SENSOR HEAD SPECIFICATIONS

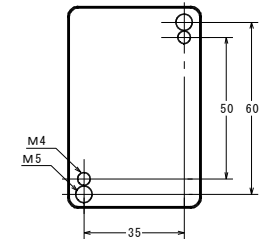
| ITEM                   | TYPE | KH-114<br>Threaded type | KH-314<br>Screw type | KH-414<br>Oil type | KH-214<br>Piano wire |
|------------------------|------|-------------------------|----------------------|--------------------|----------------------|
| SENSITIVITY            |      | 20mVp-p/G ±20%          |                      |                    |                      |
| RADIAL SENSITIVITY     |      | ±10% max                |                      |                    |                      |
| ALLOWABLE ACCELERATION |      | 100G                    |                      |                    |                      |
| SHOCK RESISTANCE       |      | 1000G                   |                      |                    |                      |
| RESPONSE FREQUENCY     |      | 5Hz~6 k Hz(±0.5 dB)     |                      |                    |                      |
| RESONANCE POINT        |      | 8 k Hz                  |                      |                    |                      |
| OUTPUT IMPEDANCE       |      | 10 k Ω                  |                      |                    |                      |
| COAXIAL CABLE          |      | 1.5D-QEV 3m             |                      | RG-316 3m          | 1.5D-QEV 3m          |
| CLAMPING               |      | 3Nm                     |                      | 3Nm                |                      |
| AMBIENT HUMIDITY       |      | -10~60°C                |                      |                    |                      |

## OUTLINE DIMENSIONS

### ●CONTROLLER



### ●MOUNTING DIMENSIONS(mm)



### ●SENSOR

