

Vibroswitch *Model-1500EX*

Detects unusually great vibrations and gives an alarm signal.
Can be used in a hazardous area where explosive gasses or
the like are in existence.



- Can be used in a hazardous area where explosive gases or the like are in existence.
- Vibration modes for acceleration, velocity and displacement can be selected with internal switch.
- The housing is of pressure and explosion-proof construction.
- The sensor is combined with the amplifier via a flexible wire conduit.
- Alarm level setting at a step of 1% from 1 to 99% with internal digital switch.
- Two different alarming steps, one for self-holding operation and the other for automatic resetting operation are provided.
- Alarm delay of up to 60 seconds can be set to prevent an incorrect action.
- Usable for monitoring vibrations in motors, fans, piping, large-sized cranes, etc.

For Explosive Atmospheres *Vibroswitch* *Model-1500EX*

SPECIFICATIONS

Alarm setting range: ①Acceleration 1~99m/s²(Peak)
 (Select 1, 2 or 3) ②Velocity 1~99mm/s (Peak)
 ③Displacement 0.01~0.99mm (P-P)

Frequency range: 10~2000Hz (±10%)

Accuracy: Within 5% (at 25°C, 80Hz, 10m/s² measurement of sinusoidal wave)

Linearity: Within 1% of full scale

Driving power supply: AC or DC 100~220V (less than 10VA)

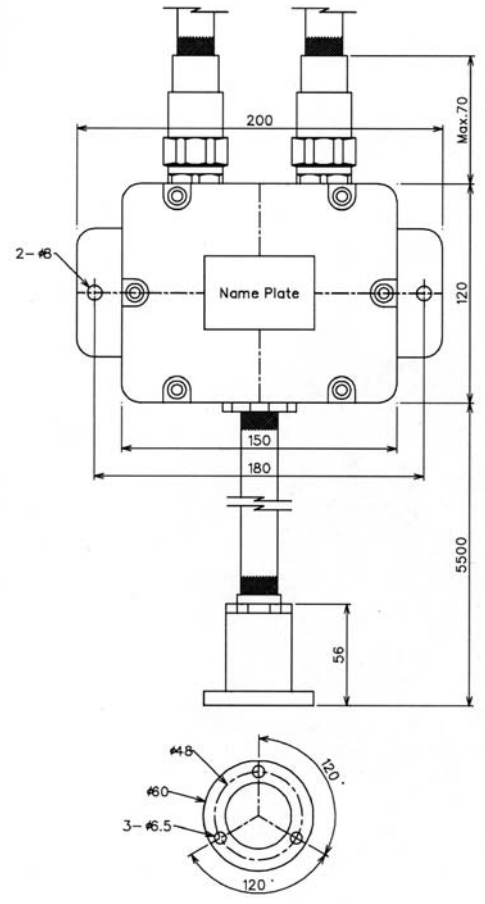
Relay operation: Delay 0 to 60 sec variable
 Self-holding operation and automatic resetting operation, make contact by solid state relay.
 (Resetting by turning off driving power supply)
 Contact rating AC/DC 125V, 0.5A

Housing construction: The pressure and explosion-proof construction
 Ex dBT6 (Certificate No. C12041)

Vibration resistance: Sensor: 10G for vibration, 100G for shock
 Amplifier: 2G for vibration, 30G for shock

Dielectric strength: 1500V AC between relay contact and housing for 1 minute
 1500V AC between relay contact and power supply for 1 minute

DIMENSIONS



UNIT: mm

BLOCK DIAGRAM AND CONNECTION

