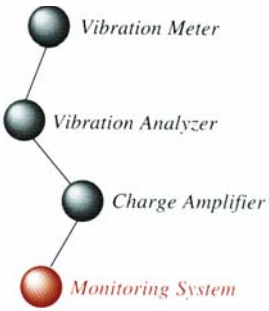


# Vibro-converter Model-2501



Stationary type vibration converter for monitoring vibrations of rotating machines and controlling trend of vibrations. Model-2501 serves to convert vibrating acceleration, velocity and displacement values into 4 to 20 mA signals.



- Compact piezoelectric sensor suitable for measuring application such as high temperature and high vibration level is selectable.
- 4 to 20mA output corresponding to vibration values is adjustable within a certain range.
- Ac output is available for waveform analysis using a FFT analyzer.
- This unit is easily connectable to a recorder, indicator or data collector is a remote location.

## SPECIFICATIONS

ODLPPEDUHCS  SKK

Maximum input capacity: 10,000pF

Acceleration measurement (Measured value for detector 50pC/G)

Measuring range: Any value is adjustable to maximum output of 20mA within the range of 20m/s<sup>2</sup> to 100m/s<sup>2</sup> or 2G to 10G.

Resolution: 0.1m/s<sup>2</sup> or 0.01G

Frequency range: 3Hz~10KHz (-3dB), 5Hz~8KHz (-1dB), 10Hz~5KHz (±0.5dB)

Low-pass filter: IN ..... 1KHz cut-off (-3dB), Any frequency is optionally available (within range of 50Hz to 5KHz).

OUT .... 10KHz cut-off (-3dB), Fixed

Velocity measurement (Measured value for detector 50pC/G)

Measuring range: Any value is adjustable to maximum output of 20mA within the range of 20mm/s to 100mm/s.

Resolution: 0.1mm/s

Frequency range: 7Hz~10KHz (-3dB), 10Hz~6KHz (±1dB)

Displacement measurement (Measured value for detector 50pC/G)

Measuring range: Any value is adjustable to maximum output of 20mA within the range of 0.2mmP-P to 1mmP-P.

Resolution: 0.001mmP-P (1 $\mu$ m)

Frequency range: 8Hz~10KHz (-3dB), 10Hz~700KHz (±1dB)

DC output: 4~20mA, Load resistance ... 300 $\Omega$ ,

Detection .... AVE-PEAK

Up to 1/10 of full scale is adjustable to 20mA with zero span.

&R UROKRS

s  I00  VFD0H  HG  ZL  I00  VFD0H

Is determined according to pick-up sensitivity)

Accuracy: 5% or less (80Hz, 1G, sine wave, normal temp)

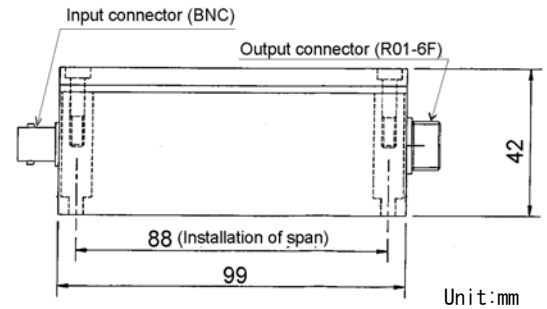
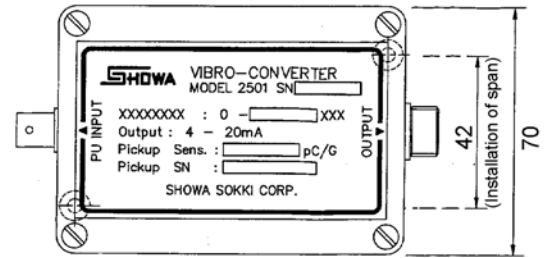
Linearity: 1% or less

Diving power: DC11V~26V, 30mA

Temp. & humidity range: Operation: 0~50°C, Storage: -20°C~70°C, 90% RH or less

Case material: Aluminum alloy (Neoprene packing)

Component Device: Converter cable: CA4612-3m (3m)



## OPTION

[Pick up] Piezo-Electric Type  
MODEL-2300A, MODEL-2304A, etc.

[Insulated Stud] SI-17

[Pick up cable] Low Noise Cable  
LNC-3F-1.5 (m), LNC-1A-3 (m), etc.

[Output cable] CA4612-\*(m)

[Digital Monitor] MODEL-2590



SI-17



The Digital Monitor Model 2590 receives a 4-20mA signal from the vibration converter, scales it into a vibration value for digital display and allows the vibration to be

2-high limit position alarm contact output. As an operating power supply for vibration converter is incorporated to make installation easier.

## ■ Specifications

Input signal:	4-20mA (Span/Zero fine adjustable)
Power supply for converter:	+15V, 40mA max.
Alarm setting:	2 high limit positions AL I (HH) and AL II (H)
Alarm relay contact:	Transfer. Rating AC 250V 5A, DC30V 5A max.
Alarm delay:	Can be set at 0~99.9 sec.
As desired	
Power supply:	AC85~264V 50/60Hz, 5VA or less
Dimensions and weight:	96 (W) × 48 (H) × 90.4 (D) mm Approx. 300gram



Always satisfying needs for Safety and Comfortability.

## SHOWA SOKKI CORPORATION

Ondo Bldg, 1-5-9, Kandaizumi-chō, Chiyoda-Ku, Tokyo, 101 JAPAN

Phone : 03-3866-3210 FAX : 03-3866-3060

Factory : 5-1-8 Sanda-chō, Hachioji-shi, Tokyo, 193 JAPAN

Phone : 0426-64-3232 FAX : 0426-64-3276

## AGENT:



312, Sai Chambers, Near Santacruz Bus Depot,

Santacruz (East), Mumbai - 400 055

Telephone: +91-22-6697 6816/ 67

Fax: +91-22-2610 9608

Email: sales@suntek-services.com

Website: http://www.suntek-services.com