

## DATA SHEET

### VIBRATION MONITORING SYSTEM – VC1000, TYPE – CV110

a) Measured Parameter	:	RMS value of Vibration Velocity (in mm/s) or Peak value of Vibration Displacement (in $\mu\text{m}$ )
b) Input Signal	:	One, for Velocity Transducer types VS-068/VS-069
c) Measuring Range	:	Velocity 0-2/5/10/20/50 mm/Sec. Displacement 0-20/50/100/200/500 $\mu\text{m}$
d) Working Frequency range	:	10 Hz. to 1 kHz. $\pm 5\%$
e) Analog output	:	0/4~20 mA $\pm 3\%$ ;Working resistance $\leq 500 \Omega$ 0~10 Volts $\pm 3\%$ ; Load resistance $\geq 100 \text{ K}\Omega$
f) Limits	:	2 (Adjustable through Potentiometer) 10....100 % Factory setting:-For LIM 1 = 60 % & LIM 2 = 80%
g) Response Delay	:	Limit 1: 1/3/10 sec. Limit 2: 1/3/10 sec.
h) Limit Relays	:	2 Nos. Contact Type: NO-C-NC (SPDT)
i) Wattage Rating	:	10VA
j) Self-Monitoring	:	Yes
k) Power Supply	:	230V/110V AC $\pm 10\%$ , 50 Hz (Optional): 24V DC $\pm 10\%$
l) Operating Condition	:	Operating Temperature Range - 30°C .... + 65°C Storage Temperature Range - 40°C .....+ 100°C Relative humidity max. 95 %, non-condensing
m) Housing Construction	:	Sturdy Alum. Housing meeting IP-65 with cable feed through fittings
n) Monitoring System Accuracy	:	<3% of measured value.