

## DATA SHEET

### VIBRATION VELOCITY TRANSDUCER - VS068

a) Measured Parameter	:	Vibration Velocity
b) Direction of Measurement	:	Horizontal $\pm 5^\circ$ (VS068)
c) Measuring Principle	:	Electro dynamic (moving coil)
d) Sensitivity (at f= 80 Hz.)	:	100mV/(mm/s) $\pm 5\%$
e) Operating Frequency range	:	10 Hz. to 2 kHz. $\pm 5\%$
f) Natural frequency ( $f_0$ )	:	8 Hz $\pm 10\%$
g) Dimensions	:	Diameter            38 mm Overall length    75 mm Connecting thread M10 Spanner            SW 27
h) Weight	:	Approx. 0.35 kg
i) Working temperature range	:	-40°C-----+100°C
j) Max. Admissible Vibration Displacement	:	$\pm 0.45\text{mm}$
k) Internal Impedance	:	4K $\Omega$ $\pm 10\%$
l) Electric Connection	:	Shielded, 2- core (PTFE) (Sensor's cable) Teflon cable 5 / 10 /15 Meters. Long with SS Conduit
m) Length of signal cable	:	Max. 200 m (Between Transducer & Monitoring unit)
n) Protective Class	:	IP 66
o) Mounting Thread (Suitable for Mounting Pad/Stud)	:	M10; 10mm deep
p) Transverse Sensitivity	:	<7%