

DATA SHEET

LOOP POWERED SENSOR; TYPE: SR-LPS-420 (4-20mA Velocity Output via MIL 2 Pin Connector) Accelerometer Sensor Calibrated in Velocity Units

SR-LPS-420F050-50-01

a) Principle	:	Piezoelectric
b) Mounted Base Resonance	:	5 kHz. min.
c) Linear Accuracy	:	±1%
d) Measuring Range	:	0-50 mm/sec. (RMS)
e) Frequency Range	:	2 Hz. to 2500 Hz ±5% (ISO 10816)
f) Isolation	:	Base Isolated
g) Transverse Sensitivity	:	<5%
h) Power Supply	:	15-30V DC (for 4-20mA)
i) Setting Time	:	2 Sec.
j) Output Current	:	4-20 mA DC proportional to RMS Velocity (mm/s) Output Impedance ≤ 600Ω Loop Resistance 600Ω max at 24V
k) Operating Condition	:	Operating Temperature Range -25°C + 120°C Relative Humidity max. 95% non-condensing.
l) Sealing	:	IP-68
m) Case Material	:	Stainless Steel
n) Sensing Element	:	PZT/ Compression
o) Mounting Torque	:	8 N-m
p) Weight	:	150 grams
q) Maximum Permissible Cable Length :		1000 Meters
r) Cable with Connector	:	5 Meters Cable with 2 Pin Mil Connector