



Testing & Measuring Everything

SENDIG - Stress Energy Transmitter SS-430



Product Introduction

SS-430 Stress Energy Transmitter
Loop Powered 4-20mA, Integral Cable

Typical Applications

- * Proven on-line means of monitoring critical machinery using high frequency stress detection
Prevents machine damage by early detection on high stress energy levels prior to failure

- * Early Detection of...

Complex Rolling Element Bearing Issues

Dry Sealsless Pumps

Solids In the Product

Pump Cavitation

As well as monitoring of Gearboxes, Rolls,

Dryers, Presses, Spindles, Machine Tooling,

Process Equipment and much more.

Technical Performance

Measurement Range 0-10 SEL (stress energy level units)

Frequency Response 7kHz to 50 kHz

Grounding Base isolated

Axis Orientation Any

Transverse Sensitivity Less than 5%

Electrical

Output Current 4-20 mA DC proportional to 0-10 SEL (stress energy)

Supply Voltage 15 - 30 Volts DC (for 4-20 mA)

Settling Time 2 seconds

Output Impedance Loop Resistance 600 Ohms max. at 24 Volts

Grounding Case Isolated

Environmental

Sensor Temperature Range -40 to +85°C

Sealing IP68

Maximum Shock 5000 g

Emissions EN61000-6-4:2007

Immunity EN61000-6-2 :2005 CE

Electromagnetic Sensitivity CE

Mechanical	
Case Material	Stainless Steel
Sealing	Hermetically Sealed
Mounting Threads	3/8 - 24 UNF (MS Optional)
Mounting Torque	8 Nm
Size	40 x 100 mm
Weight	410 gms(nominal)
Cable	1 m x 2-conductor shielded