

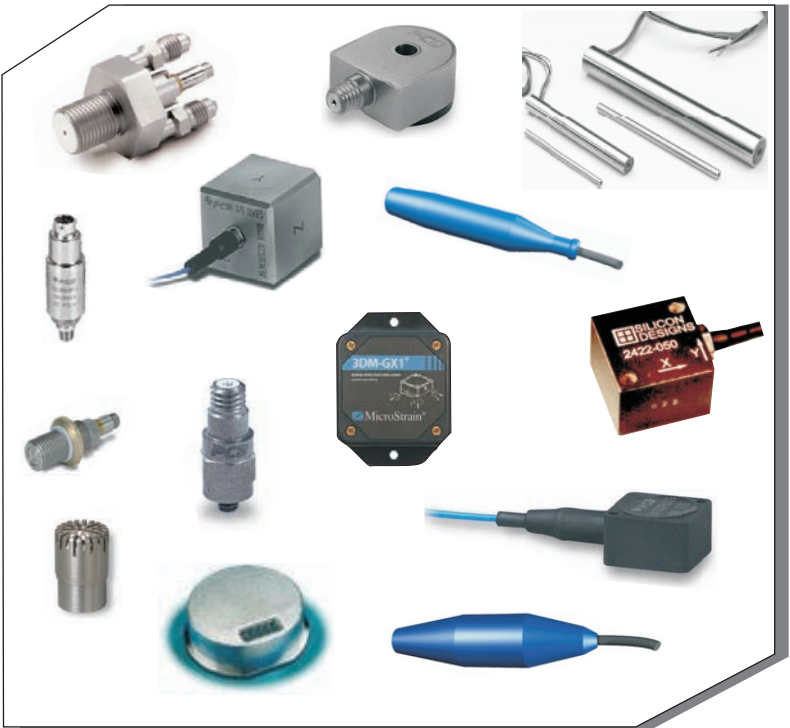


The Most Trusted Front End Sensor Solutions

STRUCTURAL SOLUTIONS PRIVATE LIMITED is an ISO 9001 certified professional engineering company engaged in offering high end technology-intensive products and system solutions to Indian Automotive, Space, Aerospace & Institutional R&D market segments.

We offer a wide variety of Sensor Solutions from PCB Piezotronics Inc., Larson&Davis Inc., G.R.A.S, Silicon Design Inc., MicroStrain Inc, International Transducer Corporation and Trans-Tek Inc., to address the needs of the various applications in all of the above Markets.

Our Sensors range includes Piezoelectric, Piezoceramic, Tourmaline, Capacitive, Piezoresistive, Strain gage ICP/Charge sensors for the measurement of Acceleration, Dynamic Pressure, Force, Torque and Load, MEMS Accelerometers for the measurement of acceleration, LVDT transducers for measurement of Linear and Angular Displacement and Linear Velocity, Microphones for the measurement of Sound, Hydrophones for measurement of Underwater Acoustic Signals and Wireless micro miniature sensors for measurement of Displacement, Orientation & Inclination



Product Range

Piezoelectric Accelerometers

- Both Charge & ICP type
- Uni axial / Tri axial type accelerometers with wide variety of amplitude & frequency ranges
- Single/ Triaxial capacitive accelerometers offering DC Frequency response.
- Shock accelerometers measuring high amplitude accelerations upto 100k g pk.
- Accelerometers withstanding high temperature upto 650° C
- Seismic accelerometers for detecting low vibrations of 0.5g
- Miniature type accelerometers weighing as low as 0.2 gms.
- Accelerometers with TEDS option



Industrial Accelerometers

- Rugged sensors that endure harsh, industrial environments.
- Durable, Stainless steel construction with electrical protection from RFI, EMI, ESD
- Low cost Industrial & Precision ICP type accelerometers measuring upto 50 g & having frequency range of 0.5 to 10 kHz
- 4-20 mA output vibration sensor transmitters with both acceleration or velocity output signal versions
- Low cost, Embeddable accelerometers with TO-5 or TO-8 transistor style packaging.



Torque/Load /Force Sensors

- General purpose and Fatigue rated Strain gage type load cells
- Reaction & Rotating type torque sensors
- Shaft, Flange and Spline mounting configurations
- Dynamic compression, Tension and Impact type force sensors
- Multi component Dynamic force sensors for simultaneous measurements in three orthogonal directions
- Dynamic Strain Sensors to monitor Quasi - Static Force indirectly via Strain measurements



Pressure Sensors

- Piezoelectric dynamic pressure sensors having Pressure ranges upto 120,000 psi
- Both ICP & Charge Type
- Piezo resistive pressure sensors
- Thin film Pressure transducers & transmitters with Gauge, Sealed gauge and Absolute Pressure references with 0 - 5 VDC, 0 - 10 VDC or 4 - 20 mA output versions



MEMS Accelerometers

- Accelerometers built with a high performance, low noise, capacitive sensor
- Single axis, surface mount accelerometers/triaxial accelerometer Module/triaxial open frame
- Digital and Analog ASICs allow to produce a variety of accelerometer products with Digital, Analog differential outputs
- Responds to DC & AC accelerations
- MEMS GYROS High performance Inertial Sensors
- G-Logger Data Acquisition system:
 - With 1,2, or 3 axis remote Acceleration.
 - 8MB of Non volatile Flash Memory
 - Logs AC/DC/RMS/Peak Acceleration, AC/Peak/RMS Velocity and Temperature



LVDT's

- Non contact principle type LVDT's
- Analog input & output
- Angular displacement sensors with measurement ranges from 30 to 300 degrees
- Linear velocity transducers with measurement ranges from 0.5 to 2.4 inches.



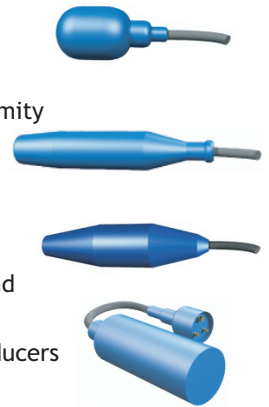
Microphones

- Both externally polarized & prepolarized version microphones
- Free filed, Random Incidence & Pressure response microphones
- 1/8, 1/4, 1/2, 1 inch diameter microphones
- Frequency range upto 140 kHz
- Dynamic range upto 194 dB re. 20 Pa
- Preamplifiers with built in TEDS chip



Hydrophones

- Rugged transducers for Harsh UnderSea Environment.
- Acoustic Transducers for Ship, Oceanographic Survey, Seismic Exploration and Industry proximity sensing
- Under water Transducers with Hemispherical, Conical, Spherical, Sidescan & Toroidal Beam patterns
- Very high frequency multi-purpose transmit and receive pair
- 40/85/92/140/150/200/215/312kHz Air transducers designed for ultrasonic sensor products.



Wireless Sensors

- Micro miniature sensors for measurement of Displacement, Orientation & Inclination
- DVRT's with linear stroke lengths upto 38 mm
- Non contact type DVRT's
- Inclinometers & orientation sensors with orientation range upto 360 degrees.
- Data loggers with good memory storage capacity up to 75 days
- Wireless transmission Sensors for Strain Acceleration and Temperature



SSPL calibration services

- NIST traceable accelerometer calibration center at our Hyderabad office
- Calibration certificates as per ISO 17025:2005 Norms
- Frequency Range : 10 Hz to 10K Hz
- Amplitude levels upto 10g
- Calibration of ICP, Charge, Variable capacitance & MEMS accelerometers
- Single Axis and Multi axis Calibration
- Back to back calibration Methodology
- Collection & delivery at SSPL offices



➔ For any further information please feel free to contact us.

Complete range of all the above type of sensors along with the necessary accessories, Re calibration services will be offered either in Indian rupees or in Foreign exchange at competitive prices with Attractive payment terms for OEM 's by Structural Solutions Private Limited.

Structural Solutions Private Limited



Bangalore

Sugnana, 1st Floor
9, 1st Main Road, Ganganagar
Bangalore -560 032
Ph: 080-2354 8889
Fax: 080-2354 7505
Email: bangalore@stsols.com

Kolkata

51/3B, Karaya Road First Floor
Kolkata Pin-700 019
Ph: 033-2247 2993, 2283 6735
Fax: 033-2283 6734
Email: kolkata@stsols.com

Chennai

Saijothi, A-F1, 1,3rd Street
Satyavathi Nagar
Officer's Colony, Anna nagar West Extn.,
Chennai -600 101
TeleFax 044 - 2654 9409
Email: chennai@stsols.com

Hyderabad (Head office)

301 & 303 - Eldorado Estate, 3-6-526
Himayath Nagar, Hyderabad-500 029
Ph: 040-2763 6433, 2762 0569
Fax: 040 -2763 6435
Email: sales@stsols.com

Delhi

6478, Sector C, Pocket 6 & 7
Vasant Kunj, New Delhi-110 070
Ph: 011 - 41767790
Fax: 011- 41767791
Email: delhi@stsols.com

Pune

Block: II, Office No: 502, fifth Floor,
Lloyds Chambers 409, Mangalwar Peth,
Pune - 411 011.
Ph: 020 26050334
Cell. 93733 13907
Email : pune@stsols.com



Email: sales@stsols.com URL: www.stsols.com