

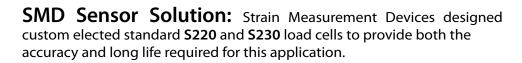


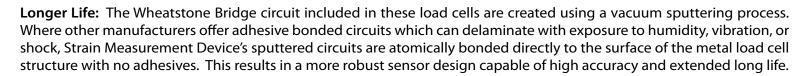
Application Market: Oil & Gas Product Line: Load Cell

Pipeline Pig

Application: Pipeline pigs use sensors to measure deflections caused by radial probes in contact with the inside diameter of the pipe. The "pig" is used in an oil pipeline for inspection, it is carried down the pipeline by the product being transported.

Customer Challenge: These sensors can be exposed to high temperatures, vibration, and shock. Given the high cost and long down-time required to replace damaged sensors, the customer was looking for a durable design to survive harsh conditions.





Overload Protection: Strain Measurement Devices designed an overload feature that prevented the load cell from deflection beyond its 250% maximum limit. This design allowed the customer to write operation procedures with confidence so that their instrument would survive well beyond its warranty specification.



Related Products:

S220 Low Profile Load Cell S230 Low Profile Load Cell S401 Load Cell E110 Signal Conditioning Board E120 Signal Conditioning Board 4000 Panel Meter