

Application

Market: Industrial
Product Line: Load Cells

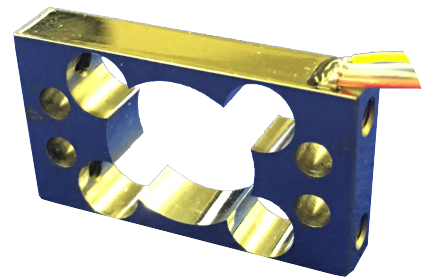
Hardness Testing Machine

Application: The instrument pushes a probe into the surface of a material and calculates hardness by accurately measuring force and deflection.

Customer Challenge: Customer needed a custom force range and assistance in developing custom lead outs.

SMD Sensor Solution: Strain Measurement Devices produced a custom model S251 load cell offering high accuracy, with custom cables. Providing the customer new force range options.

Overload Protection: Strain Measurement Devices has designed an overload feature that prevents the load cell from deflection beyond its 200% maximum limit. This design allows the customer to write operating procedures with confidence that their instrument will survive beyond its warranty specification.



Related Products:

- S200 Load Cell
- S215 Miniature Load Cell
- S220 Low Profile Load Cell
- S230 Low Profile Load Cell
- E110 Signal Conditioning Board
- E120 Signal Conditioning Board
- 4000 Panel Meter