

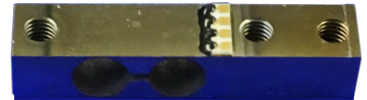
Application

Market: Medical Device
Product Line: Load Cell

Syringe Pump Occlusion

Application: Needed by a company who manufactures syringe pumps for laboratory testing. A syringe pump is a small infusion pump, used to gradually administer fluid to a patient or for use in chemical and biomedical research.

Customer Challenge: In need of a custom force sensor to fit into a unique mounting, the application is driven by a stepper motor. The sensor is needed to measure the reaction force from the contracting of a syringe plunger, and also detects any blockage or occlusion in the tube.



Strain Measurement Devices Solution: A S215 sensor was modified to fit the special mounting requirements. The S215 load cell is an extremely low profile single point sensor used to accurately measure a full scale of forces, and the 10,000 Ω Wheatstone bridge offers extremely low power consumption.



Related Products:

- S200 Load Cell
- S220 Low Profile Load Cell
- S251 Miniature Platform Load Cell
- S300 Load Cell
- S401 Load Cell
- S402 Load Cell
- E110 Signal Conditioning Board
- E120 Signal Conditioning Board
- 4000 Panel Meter