Syringe Plunger Force Measurement
Multi-Axis
Industry: Medical and Healthcare

Summary

Customer Need / Challenge
A manufacturer of syringes needed to measure the force required to dispense liquid from a syringe and ensure their product is within ISO guidelines.

Interface Solution
Interface supplied Model SMT Capacity Overload Protected S-Type Load Cell coupled with Model 9320 Battery Powered Handheld Indicator. This product was implemented into the customer’s test frame for syringe testing.

Results
As the customer’s load frame applied to the force of the syringe, Model SMT Capacity Overload Protected S-Type Load Cell measured the force applied to dispense this material. Model 9320 Battery Powered Handheld Indicator showed all measured forces and captured the peak values.

Materials
- SMT Capacity Overload Protected S-Type Load Cell.
- 9320 Battery Powered Handheld Indicator.
- Customer supplied calibration adaptors and calibration frame.

How It Works
1. SMT Capacity Overload Protected S-Type Load Cell measure the forces applied to dispense this material.
2. 9320 Battery Powered Handheld Indicator shows all measured forces.
3. The 9320 captures the peak values used to dispense this material for further evaluation.