

Syringe Plunger Force Measurement

S-Type

Industry: Medical and Healthcare

Summary

Customer 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 Overload Protected S-Type Load Cell coupled with Model 9325 Portable Sensor Display. 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 Overload Protected S-Type Load Cell measured the force applied to dispense this material. Model 9325 Portable Sensor Display showed all measured forces and captured the peak values.

Materials

- SMT Overload Protected S-Type Load Cell
- 9325 Portable Sensor Display
- Customer supplied calibration adaptors and calibration frame

How It Works

1. SMT Overload Protected S-Type Load Cell measure the forces applied to dispense this material.
2. 9325 Portable Sensor Display shows all measured forces.
3. The 9325 captures the peak values used to dispense this material for further evaluation.

