

# Dynamic Linear Swell Meter with Compactor and Computer



**Brand:** OFI Testing Equipment, Inc.  
**Product Code:** 150-80  
**Availability:** Call for availability

## Description

The Dynamic Linear Swell Meter is designed to simultaneously test up to four drilling fluids (expandable to eight) on a representative shale sample for extended periods of time at temperatures up to 180°F. The Linear Swell Meter is the only swell meter on the market capable of dynamically testing your fluids, so you obtain the most accurate data possible.

## Features

- Dynamic - Drilling fluid constantly circulates around the sample.
- Efficient - Can measure up to four drilling fluids (expandable to eight) simultaneously.
- Durable - Manufactured from 316 Stainless Steel.
- Electronic Data - LVDT measures expansion of sample.
- Complete - Includes dies and hydraulic press for making shale sample wafers.
- Realistic - Fluid is in contact with the wafer from all sides.

## Specifications

- Size: 20.5" x 14.5" x 25" (52 x 37 x 64 cm)
- Weight: 220 lb (100 kg)
- Swell Meter and Compactor:

- Crated Size: 27" × 21" × 47" (65 × 53 × 120 cm)
- Crated Weight: 312 lb (142 kg)
- Instrument Control:
- Crated Size: 37" × 20" × 32" (94 × 51 × 81 cm)
- Crated Weight: 235 lb (107 kg)

## **Software Features**

- Computer-Controlled - Logs, analyzes, and updates data real-time so you don't have to!

## **Swell Meter Components**

- #130-75-73: Laptop Computer
- #130-76-03: Thermocouple
- #130-79-06: DAQ Cable
- #150-80-009: Weight
- #150-80-03: Screen, Flat, 1 1/16" Diameter
- #150-80-031: Washer (Spacer), Teflon®
- #150-80-032: Transfer Stand
- #150-80-033: Wafer Tube
- #150-80-034: Main Plate
- #150-80-035: Cup
- #150-80-036: Cap
- #150-80-064: LVDT
- #150-80-067; Micrometer
- #150-80-101: Calibration Block, Multi Point
- #150-83: Stirring Hot Plate, 115 Volt
- #150-84; Stirring Hot Plate, 230 Volt
- #152-37: AC Power Cord, 115 Volt
- #152-38: AC Power Cord, 230 Volt
- #153-67: Syringe, Disposable, 60 cc

## **Compactor Components**

- #122-224: Valve
- #150-80-072: Pump
- #150-80-075: Hose
- #150-80-085: Spacer for Wafer Mold, 1/2"
- #150-80-086: Spacer for Wafer Mold, 3/4"
- #150-80-087: Body for Wafer Mold

- #150-80-088: Plunger for Wafer Mold
- #150-80-089: Drop Tube for Wafer Mold
- #150-85: Relief Valve, 2,900 PSI (20 MPa)

## **Optional**

- #150-81-1: Swell Meter Expansion, Single Unit, 115 Volt Only
- #150-81-2: Swell Meter Expansion, Single Unit, 230 Volt Only

## **Part Numbers**

- #150-80: 115 Volt
- #150-80-1: 230 Volt

## **Product Gallery**