

# Series DE-0200 Digital Tear Testers, Elmendorf Type For Plastic Film, Sheet, and Paper 200 Gram to 1600 Gram Capacities

## Full-Featured Digital Tear Testers for Film and Paper

Advanced electronic tear testers available with 200 gram, 400 gram, 800 gram, and 1600 gram pendulum capacities. Oakland Instruments' DE Series Tear Tester answers your need for a simple to use, stand-alone, or Computer-Controlled Instrumented Tester, for measuring Tear resistance of film, paper, sheet, laminated materials, and converted products.

## **Improve Film and Sheet Quality, Increase Profit Margins**

The DE Series Digital Elmendorf Tear Tester is a proven tool for more closely controlling tear characteristics to speed your:

- Production and additives settings and adjustments.
- Research and development of new film and sheet products.
- Inspection of incoming film and sheet products.
- In-process checks to ensure on-spec product for converting.

## **Meets ASTM & TAPPI**

Meets Specifications of ASTM D-1922 and TAPPI T-414 plus applicable International Standards for Propagation Tear Resistance Testing of Plastic Film, Paper, and Sheeting.

## **Advanced Technical Features and Accessories**

### **Advanced Technical Features in Each Model**

#### Electronic Stand-Alone or Computer-Controlled Software-Driven

Each tear tester has a USB connection for stand-alone use or connectivity to a PC with our advanced Tear Tester Software for fully-instrumented operation.

#### Accessories Available

Augmenting Weights & Add-Weights for testing a wide range of materials with a single pendulum, calibration weights for single point calibration verification. Sample Cutters, Cutting Templates, Thickness Micrometer Systems, and Model DX-8300 Impact & Tear Quality Control Software are also available to provide a complete testing system for your laboratory or plant floor.



The Model DE-1600-CF Digital Elmendorf Tear Tester with 200 gram Framework Pendulum and 1600 gram Add-Weight for a 1600 gram Tear measurement capacity. Includes Pneumatic Sample Clamps and Integral Sample Cutting Knife

### **Oakland Instrument Corp.**

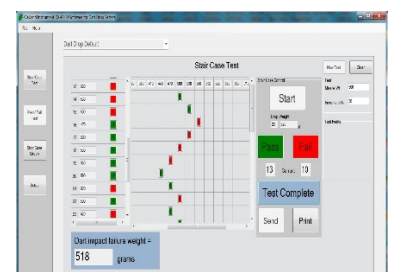
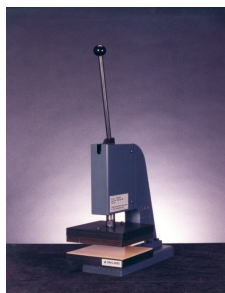
Oakland Instrument Corp. specializes in the design, manufacture and distribution of test and measurement systems for the plastics, packaging, film, sheet and paper industries.

### **Customer-Driven**

We team with our customers to help them solve their quality and process-control problems.

### **Technology-Based**

Our applications knowledge and engineering depth allow us to offer both standard and custom systems based on industry-leading technology.



## Specifications

### Model DE-0200-CF

### Model DE-0200-SF

|   |   |   |
|---|---|---|
| Mode of operation:  | Off-line testing / lab use                                | Off-line testing / lab use                                  |
| Materials:  | All sheet materials                                       | All sheet materials   |
| Control Configuration:  | Stand-Alone, Console-Driven or Software-Driven            | Software-Driven   |
| Measurement Capacity:<br>(One Pendulum & Augmenting Weight Included)            | 200 gram  | 200 gram  |
| Add-Weights Available to Attach to Pendulum:                                    | 400 gram, 800 gram, 1600 gram                             | 400 gram, 800 gram, 1600 gram                               |
| Measurement Accuracy:   | +/- 0.2% of Pendulum Capacity                             | +/- 0.2% of Pendulum Capacity                               |
| Pendulum Type:  | Framework<br>(Low to Medium Capacity)                     | Framework<br>(Low to Medium Capacity)                       |
| Sample Grip Style:<br>(Two Grips Included; one on Tester Base, one on Pendulum) | Pneumatic   | Pneumatic   |
| Integral Sample Cutting Knife:  | Included  | Included  |
| Console Interface:  | Keypad, LCD 4-Line Display                                | Overlay with Clamp and Test Buttons                         |
| Output:   | USB & (2) RS-232 Serial Ports                             | USB & (2) RS-232 Serial Ports                               |
| Software (Optional or Required)   | Model DX-8300, for full Instrumented Operation (Optional) | Model DX-8300 for full Software-Driven Operation (Required) |
| Power Requirements:   | 115 VAC or 230 VAC  | 115 VAC or 230 VAC  |
| Operating Voltage:  | 12 VDC  | 12 VDC  |
| Air Requirements:   | 60 psi Clean, Filtered                                    | 60 psi Clean, Filtered                                      |
| Dimensions (W x D x H)<br>(Instrument Only, Assembled)                          | 19 x 18 x 18 inch<br>(49 x 46 x 46 cm)                    | 19 x 18 x 18 inch<br>(49 x 46 x 46 cm)                      |
| Dimensions (W x D x H)<br>(Shipping)  | 23 x 20 x 18 inch<br>(58 x 50 x 46 cm)                    | 23 x 20 x 18 inch<br>(58 x 50 x 46 cm)                      |
| Weight (Instrument Only):   | 38 lb (17 kg)   | 38 lb (17 kg)   |
| Weight (Shipping):  | 45 lb (20 kg)   | 45 lb (20 kg)   |



(Due to continuous product improvement, all specifications are subject to change without notice.)

## Ordering Information

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