

## LC NDT FV-2010-T Plus High Intensity Portable LED Film Viewer

With built-in Densitometer and Electronic Masking

Reads > 4.2 D

Designed for 4.5" x 17" Film



**FV-2010-T Plus is designed to meet the needs of Film Examiners requiring a code compliant X-ray Film Viewer:**

- NEW Electronic Light Mask
- High Accuracy Digital Densitometer
- Allows viewing of long strip films
- Bright enough to view 4.2 Density Film
- Low heat output
- Low noise – fan speed varies with temperature
- 25 year lifespan for LEDs (approximately 50,000 hours!)
- Low power consumption
- Universal Power Supply – use anywhere there is AC power

The LEDs used in the FV-2010-T Plus have a pure white light, providing a very uniform luminance and have a theoretical life expectancy of 50,000 hours! The LEDs use much less electricity and generate significantly less heat than conventional lamps, making it better for the environment.





The FV-2010-T Plus uses a low voltage / constant current power supply specifically designed to extend the life of LEDs. It is supplied with a Dimmer Control that allows you to adjust the intensity from 5% to 100%. A foot switch is also provided.

**Electronic Mask**

Instead of multiple hardware masks, the FV-2010-T Plus has 6 push button selectable window sizes as shown below (plus one hardware mask to limit the window height to 2.7" (69 mm)).



**Even Illumination Typical Luminance distribution in Cd/m<sup>2</sup>:**

128,000	128,000	130,000	128,000
128,000	129,000	130,000	129,000
127,000	128,000	129,000	128,000

**New Feature:**

**Off Illumination now selectable (when footswitch is released):** Low Intensity or Dark

The FV-2010-T Plus combines the capabilities of the FV-2010 LED Film Viewer with the DT-200 Densitometer in a portable and convenient package	
Film Viewer	Densitometer
<ul style="list-style-type: none"> <li>• Maximum Luminance: <math>\geq 130,000</math> Cd/m<sup>2</sup></li> <li>• High Accuracy: <math>\geq \pm 0.02</math> D</li> <li>• Uniformity: <math>g &gt; 0.95</math></li> <li>• Diffusion Factor: <math>g &gt; 0.95</math></li> <li>• Viewer Window: 15.8" x 4" / 400 x 100 mm</li> <li>• Surface Temperature Rise: <math>\leq 65^\circ\text{F} / 18^\circ\text{C}</math> after 12 hours of continuous maximum luminance</li> <li>• Power: 85 – 264 VAC / 47 – 63 Hz</li> <li>• Dimensions: 23.6" x 3.1" x 6.3" (600 x 80 x 160 mm)</li> <li>• Weight: 8.8 lbs. / 4 kg</li> <li>• Warranty: 5 years parts, 1 year labor</li> </ul>	<ul style="list-style-type: none"> <li>• High Accuracy: <math>\pm 0.03</math> D</li> <li>• Density: 0 to 5 D</li> <li>• Range: 650 Cd/m<sup>2</sup> and 320,000 Cd/m<sup>2</sup></li> <li>• Resolution: 0.01 D</li> <li>• Probe: Temperature compensated</li> <li>• 3mm Aperature</li> <li>• Display: 4 Digit LCD</li> <li>• 10 point calibration</li> <li>• User calibration mode</li> <li>• Warranty: 5 years parts, 1 year labor</li> </ul>



**Kit Contains:**

- FV-2010-T Plus Viewer
- External Mask: 15.8" x 2.7"
- Foot Switch
- Power Supply
- Power Adaptor & Line
- Instruction Manual
- Guarantee & Report
- Warranty Card

**Shipping:**

- Weight: 15 lbs. (6.8 kg)
- Dimensions: 26" x 9" x 11" (66cm x 20cm x 28cm)

**Warranty**  
**5 Years Parts, 1 Year Labor**

