

LED Industrial Radiographic Film Viewer Densitometer(+M)

User's manual

	DL-2206 <input type="checkbox"/>
	DL-2206M <input type="checkbox"/>
	DL-2280A <input type="checkbox"/>
	DL-3010 <input type="checkbox"/>
	DL-3010M <input type="checkbox"/>

This product is in accordance with the national standards of the GB/T19802-2005; EN25580:1992 and ISO 5580:1985 Industrial Radiographic Film Viewer.

Dear Customer:

Thank you for purchasing DL series portable LED industrial radiographic film viewer. For your better use of the DL series portable LED industrial radiographic viewer, please carefully read this manual first.

The DL series portable LED industrial radiographic viewer, with the new light-emitting panel and high light-efficiency cool white light LED light source, made by two ground-breaking domestic exclusively technologies--panel light emitting technique which is the latest technological breakthrough of film viewer making and the eight-arrays constant current diming technique, can make the minute defects on the X-ray film be observed clearly with the brightness of it being turned to the soft state, thus effectively protects the assessor's eyes and fulfills the requirements of special brightness and normal film assessment. The eight-array constant current dimming technique, with a super strong brightness control function, can effectively manage the brightness and uniformity of the film viewer. The pipe heat dissipating integration device can strictly control the surface temperature and work for 24 hours continually with the maximum brightness under normal atmospheric temperature, the surface temperature rise < 18 °

DL series portable LED industrial radiographic film viewer is the necessary equipment of ray film assessment, which is applicable to the industrial nondestructive testing of the X and R-ray films for quality assessment.

In order to guarantee you better use this product, please read this manual carefully before use, understanding the correct operating methods for getting the best effect, and please keep this manual for future needs.

Features :(DL-3010;DL-3010M)

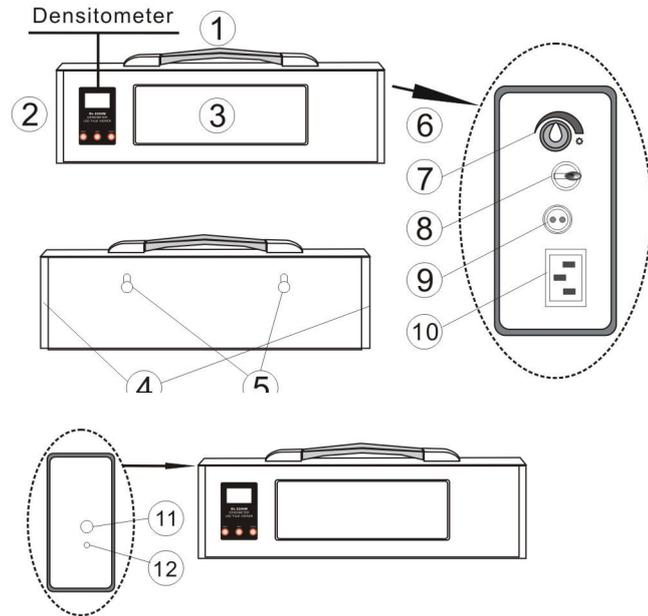
- Maximum Light Intensity: >100,000cd/m²
- Easily View >4. 0 Density
- Pure White LED Light
- 50,000 Hour Lamp Life
- Low Power Consumption
- Fan cooling
- Foot Switch
- Uniform Viewing Area: 98% Full Screen
- Dimmer Control: 0% to 100% continuous
- Surface temperature: <18°
- Built-desktop stand
- Design: Modern, Stylish and Simple
- Power Requirements: 85-264VAC/47-60Hz

Features:(DL-2206;DL-2206M;DL-2280A)

- Maximum Light Intensity: > 70,000cd/m²
- Easily View <4. 0 Density
- Pure White LED Light
- 50,000 Hour Lamp Life
- Low Power Consumption
- Fan cooling
- Foot Switch
- Uniform Viewing Area: 98% Full Screen
- Dimmer Control: 0% to 100% continuous
- Surface temperature: <18°
- Built-desktop stand
- Design: Modern, Stylish and Simple
- Power Requirements: 85-264VAC/47-60Hz

**Function information:
Schematic diagram:**

- 1) Handle
- 2) Host
- 3) Viewing screen
- 4) Built-desktop stand
- 5) Hanging hole
- 6) Right-side control panel
- 7) Brightness adjustment knob
- 8) Power switch
- 9) Foot switch socket
- 10) Power outlet
- (DL-2206M;DL-3010M)
- 11) Socket for data acquisition
- 12) Button for factory



Basic configuration:

- 1: Host**
- 2: Foot switch**
- 3: Power cord**
- 4: Substrate-mask 1 Unit**
- 5: Magnetic film holder 2 Unit**
- 6: Magnetic ruler**
- 7: User' s manual**

Specifications:(DL-3010;DL-3010M)

Adapter Input voltage : 85-264VAC/47-60Hz
 Power: 120W
 Maximum Light Intensity: >100, 000Cd/m²
 Film density observed: >4.0D
 According to the inspection report
 Surface temperature: <18° Celsius
 (Continuance working 24 hours under)
 Uniform Viewing Area: 98% Full Screen
 Dimmer Control: 0% t0 100% continuous
 Control mode: Manual + Foot-switch
 Cooling Method: Forced air cooling
 Dimensions : 530mm*60mm*155 mm (L*W*H)
 Viewer window: 300 mm*100mm (L*W)
 Substrate-mask window: 220 mm*80 mm (L*W)
 Weight: 4. 0 KG

Specifications:(DL-2206;DL-2206M;DL-2280A)

Adapter Input voltage : 85-264VAC/47-60Hz
 Power: 50W
 Maximum Light Intensity: >70, 000Cd/m²
 Film density observed: <4.0D
 According to the inspection report
 Surface temperature: <18° Celsius
 (Continuance working 24 hours under)
 Uniform Viewing Area: 98% Full Screen
 Dimmer Control: 0% t0 100% continuous
 Control mode: Manual + Foot-switch
 Cooling Method: Forced air cooling
 Dimensions : 425mm*60mm*130 mm (L*W*H)
 Viewer window: 220 mm*60mm (L*W)
 Substrate-mask window: 200 mm*40 mm (L*W)
 Weight: 2.5 KG

Install and use:

1. Adjust the film viewer to the proper angle:

In the meantime, open the two built-desktop stands (4) in the back of the host to the proper position.

2. Put the power line into the power outlet (10) on the control panel on the right side of the film viewer.

3. Put the control line of the foot switch into the foot switch outlet (9) on the control panel on the right side of the film viewer.

After the above steps, put the power line into the AC power.

4. The power switch (8) on the control panel on the right side of the film viewer has three one-offs. The middle one is button off, the button ON is the direct open mode and the FOOT SWITCH MODE is the footswitch mode.

5. Turn the power switch (8) to ON, the light is on. Adjust the lightness adjustment knob (7) on the control panel on the right side for proper lightness.

6. If control by foot switch mode, turn the switch (8) to FOOT SWITCH MODE, depress on the switch, light on.

Trouble shooting

Cause of the fault:

The power light is not on

Elimination method:

Check the power switch (8) to see if it is on the position of the foot switch, if is, should use in the foot switch mode.

Check the lightness adjustment knob on the right-side control panel to see if it is on the minimum position, it is, should turn it to the proper lightness in the clockwise.

