

# twilight

INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

## Densitómetro de Placas Radiográficas de Banco LC-TD210

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# TD-210 Series Transmission Densitometer

## Packing list

| No. | Item                                          | unit | Quantity |
|-----|-----------------------------------------------|------|----------|
| 1   | TD-210 Black /White Transmission Densitometer | set  | 1        |
| 2   | Certificate of Quality                        | copy | 1        |
| 3   | User's Manual                                 | set  | 1        |
| 4   | Density block piece                           | pc   | 0        |
| 5   | Packing list                                  | pc   |          |
| 6   | Power cable                                   | pc   | 1        |
| 7   | Fuse                                          | pc   | 2        |
| 8   | Rubber air ball                               | pc   | 1        |

## User's Manual

# LCNDT<sup>®</sup>



# TD-210 TD-210A

**LCNDT<sup>®</sup> Wen Zhou Lu Cheng NDT Equipment Corp.**

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**Wen Zhou Lu Cheng NDT Equipment Corp.**

## Instruction:

### First, density value measuring

1. Do not press down the measurement arm after the densitometer having inserted a power source, turn on the ON/OFF switch at back of this instrument, the display screen will demonstrate "---" mark. The instrument should be warm-up for 3 minutes.
2. let the hole with density 0 of density block piece aim at the light hole, then pressed down the measurement arm, the display screen demonstrates "E.1 ". Continue keeping your hand on the measurement arm not moving, while press automatic zero set button on the up-right part of this instrument at the same time, the display screen demonstrates "0.00". Loosen the zero set button, lift the control over the measurement arm, the instrument already enters into the stage of density measuring.
3. let the to-be-tested exposed film aim at the light hole , press down the measurement arm, the display screen will be shown corresponding density value.

### Second, observe the to-be-tested exposed film

Under the situation of lifting the control over the measurement arm, press the automatic zero set button once, the strong illuminant background light will be turned on bright immediately, then the to-be-tested exposed film can be observed. And press the automatic zero set button once again, the background light turned off. Repeat this operation you can control the On/Off of the background light.

## Note:

1. TD-210 Series Black and White Transmission Densitometer is a kind of precision instrument, you should pay attention to dust prevention, protection against the tide, guards against acidifying substance during the usage and the storage. The instrument should be far away from the strong electromagnetic field.
2. It's easy and better for you to clean up the dust on the light source and light hole with the rubber air ball we provided.
3. You should pay attention to keeping clean for the density block piece, you just only use it when you are doubt about the measuring is something not so accurate.
4. The displayed measured density value on screen still can be for reference when the displayed measured density value exceeds the range of density measurement.
5. All the TD-210 Series Black and White Transmission Densitometer goes through an strict test without exception before the densitometer leaves the factory, it may maintain numerical reading accuracy over a long period of time. Every customer can share one year's warranty dated from the sold day but excluding any man-induced damages. (Pls note that the foreign customer should shoulder the shipping cost during the

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