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Transmission density tester G-JN-01

Release date : 2020-11-16

Infrared ink optical density meter, JN-01 to test the OD value of mobile phone cover inkOptical density (OD) [optical density] is defined as the characterization of the shading ability of a material.

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Infrared ink optical density meter, JN-01 to test the OD value of mobile phone cover ink



Optical density (OD) [optical density] is defined as the characterization of the shading ability of a material. The optical density has no dimensional unit, is a log value, the optical density is the incident light and

The logarithm of the ratio of transmitted light or the reciprocal of transmittance. The calculation formula is $OD = \log_{10} (\text{incident light} / \text{transmitted light})$ or $OD = \log_{10} (1 / \text{transmittance})$. LS117 light dense

It is suitable for the optical density test of aluminized film, film and X-ray film, etc. It is also an advanced transmittance meter with integrating ball effect, suitable for opalescent translucent material

Light transmittance test of matte, frosted mist surface materials. Mainly applicable to the measurement of the following three types of products:

- 1: Various film films, can measure the absolute optical density, relative optical density, dot area ratio.
- 2: X-ray film, aluminum film and other materials of optical density measurement, measurement of absolute optical density.
- 3: Transmittance value of various opalescent, fog-like, frosted hairy surface materials. If decorative pattern or ground glass, absorb dome light to wait for material.

Infrared ink optical densimeter has been the main publicity used to test film film optical density, frosted, milky white, fog and other materials transmittance, because unique

The design of diffuse transmission principle saves the tedious test of integrating ball for these materials, which is a unique feature in the portable instrument.

Recently in the customer learned that the upper and lower parts of the mobile phone cover ink also need to test the light transmittance value, because the position of the ink light transmittance is very low, so

It is more convenient to use OD value. There are black and white ink, and the area is not very large, for the test of the instrument requirements are high, the first need is to be able to measure the white

Instruments for materials; The second test aperture must be very small. The infrared ink optical densimeter is the most perfect choice, the diffuse transmission principle of the optical path design, 2mm test

Aperture of light source, fully meet the test requirements

For the mobile cover ink OD value, cover industry may have their standards. In fact, we are not particularly familiar with the industry, but LS117 infrared ink optical densitometer OD

The measurement range of value is 0-6 OD, so there is no problem for testing the OD value of mobile cover ink.

I. Characteristics of optical density instrument

1. Adopt the design of diffuse transmission light path to meet the testing requirements of fog material.

2. Equipped with fixed seat and bracket, and equipped with a variety of measurement methods.
3. Simultaneously measure optical density, relative optical density, dot area ratio and transmittance.
4. Suitable for testing optical density and transmittance of film, decorative glass, fog glass, ceiling lamp cover, coating material, etc.
5. Suitable for production, quality inspection, inspection and other occasions.

2. Optical densitometer parameters

1. External dimension of the instrument: length 130mm * width 70mm * height 28mm
2. Instrument weight: about 500g (without batteries)
3. Light hole size: 2mm
4. Optical density measurement range: 0.00 OD -- 6.00 OD
5. Measuring range of dot area rate: 0 -- 100%
6. Optical density resolution: 0.01 OD
7. Measurement accuracy: ± 0.02 (0 -- 2.00 OD), $\pm 2\%$ (2.00 -- 6.00 OD)
8. Transmittance resolution: 0.0005%
9. Measurement accuracy of transmittance: $\pm 1\%$ (0% -- 50%), $\pm 2\%$ (50% -- 100%)
10. Light source: ANSI/ISO visual standard
11. Power supply: 4*AAA alkaline dry battery

Recommended

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Automatic tool metallographic measuring instrument V400

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Automatic tool metallographic measuring instrument V800

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Automatic tool metallographic measuring instrument V1800

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Automatic tool metallographic measuring instrument V2000

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