



DM3000 Series

Black & White Densitometer

DM3000 Series—Technical Specifications

Product Introduction

DM3000 series black & white densitometer is used for measuring the blackness of films; it has advantages of accurate reading, high stability, strong anti-interference, attractive appearance and easy operation. It can be widely applied to the fields such as nondestructive testing, sensitive materials, printing industry and medical industry, etc. Each unit comes with a standard density tablet and calibration software to verify or calibrate its accuracy.

The originate calibration function: Every unit comes with software CD for auto calibration, which can be matched with density tablet of different standards.

Working principle: The transmissive black & white densitometer is an instrument for optical density measurement, which uses the principle of optical transmission.

Technical parameter

Density Range	D=0.00—4.00 (DM3010) D=0.00—4.50 (DM3010A) D=0.00—5.00 (DM3011)
Repeatability	±0.02
Measuring Error	The error of the measured value does not exceed ±0.05D
Aperture Size	Dia. 2mm
Sampling Time	0.8 seconds
Display Mode	Three Digital Display
Light Source	27pcs LED Beads
Communication Port	RS232 Port, Optional USB Port
Power	50 ~ 60Hz, 100V-120V or 200V-240V
Dimensions	260mm×265mm×110mm (H×W×L)
Working Environment	Temperature 0 °C~40 °C, Relative humidity(RH)≤85%
Power Dissipation	25W
Weight	2.1kg

Demonstration of Calibration

