

Rhythm 5D Digital Densitometer



The Rhythm 5D is a battery powered handheld densitometer for measuring the transmission density of x-ray film combining ease of use with high accuracy and repeatability. The unit has been designed to calibrate with an extremely wide light range of between 30000 Lux to 120000 Lux, to achieve optimum accuracy and stability for reading density. The unique size and shape make this device ideal to hold for applications such as industrial plant or in the research labs.

The measuring probe of this instrument is of pencil design with ABS casing and it is connected to the instrument using flexible cable length of one meter. The battery is charged with a standard DC Charger and ensure an operating time of up to 8 hours.

Salient Features:

- Big and colorful LCD screen Display
- Compact & light weight
- Rechargeable Li-Ion Battery
- Continues 8 hours of battery backup in single charge
- Complies with ASTM E-1709 standard

Technical Specifications:

Measuring Range	0 – 4.2D
Illumination Range	30,000 Lux - 1,20,000 Lux
Accuracy	± 0.05D
Repeatability	± 0.02D
Aperture	2.5 mm
Power Requirements	7.4V, 1000 mAh Li-ion rechargeable battery
Physical Dimensions (LxWxH)	146 mmx85 mmx25 mm
Weight	0.639 lbs (290g)
Battery charging time	2-3 hrs
Environment	Operating Range +10°C to +40°C

Kit Contains:

- Rhythm 5D Densitometer with integrated probe
- DC Charger
- Certificate of Conformity
- Operating Manual
- Density Strip



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