

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:

- Colored LCD screen Display
- Compact & Light Weight
- Continuous 8 hours of battery backup in a single charge.
- USB C Port for Battery charging
- Rechargeable Li-ion Battery
- One-meter flexible & detachable probe
- Complies with **ASTM E1079** Standard
- Display last density reading

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	3.4V, 1000mAh Li-ion rechargeable battery
Dimensions (LxWxH)	146 mm x 85 mm x 25 mm
Operating Temperature	10°C to 40° C
Battery charging time	2.5 hrs
Weight	305 gm. (0.672 lbs.)

Kit Contains:

- Densitometer Rhythm 5D
- Charging adaptor & USB A to USB C cable
- Certificate of Conformance
- Operating Manual



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