E3
RADIANCE DENSITOMETER
the best in ndt

E3
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RD-1

The E3 Radiance Densitometer RD-1 is a high-precision optical density measuring device designed for accurate evaluation of X-ray films, photographic films, and other imaging materials. Built with a durable ABS non-breakable body and equipped with an LED display, the RD-1 provides stable and reliable measurements with a wide density range up to 4.20. Its user-friendly interface, fast response, and consistent accuracy make it suitable for radiography labs, industrial NDT applications, medical imaging centers, and photography studios requiring dependable film density assessment.

BENEFITS

- Provides highly accurate optical density readings
- Ensures faster workflow with quick measurement response
- Durable ABS body increases product lifespan
- Ideal for both industrial and medical film evaluation
- Easy to operate with minimal training

FEATURES

- Wide density measurement range up to 4.20
- LED display for clear and easy reading
- ABS non-breakable body construction
- High-precision measurement capability (±0.01)
- Repeatability up to 0.005 for consistent results
- Calibration support for accurate performance
- Operates on standard 220V power supply
- Supplied in protective wooden case packaging

APPLICATION

- Industrial Radiography Film Interpretation (RT / NDT)
- Medical X-ray and imaging film evaluation
- Photography and darkroom film density analysis
- Quality control and laboratory research
- Film processing centers and imaging departments

RECOMMENDED ACCESSORIES

- Dry/Wet magnetic powder
- YTP - test block
- Pie field indicator
- Dry powder rubber blower
- Squeeze bottle
- UV inspection light
- White contrast spray
- 4.5 kgs lift weight for AC mode
- 18 kgs lift weight for HWDC mode

TECHNICAL DATA

Model	RD-1
Product Name	E3 Radiance Densitometer
Measurement Range	0.00 – 4.20 OD
Accuracy	±0.01
Repeatability	0.005
Display Type	LED Display
Material	ABS Non-Breakable Body
Voltage	220V AC
Spectral Bandwidth	Visible spectrum (400–700 nm)
Country of Origin	India
Product Capacity	100 units per month
Delivery Time	Same day after receiving order
Packaging	Wooden Case
Application	X-ray / Industrial Film Density Testing