

Digit-X - Precision Digital Densitometer

Handheld digital densitometer for NDT, medical, dental, veterinary and photographic film density verification



Why Choose *Digit-X*?

- Accurate** +/- 0.05D accuracy, 0D to 4D range
- Portable** Handheld, 60 x 37 x 210 mm
- Reliable** 50 hrs continuous use, 6-month battery
- Traceable** NIST traceable calibration
- Trusted** Made in the UK, 2-year warranty

Digit-X | Technical Reference

FEATURES & BENEFITS

High Accuracy

+/- 0.05D across 0D to 4D range

Compact & Portable

60 x 37 x 210 mm, lightweight handheld

Extended Battery Life

50hr continuous use, 6-month typical usage

NIST Traceable Calibration

Supplied with calibration certificate

Versatile Measurement

Transmission and reflection modes

Easy to Use

Single-button operation, auto-zero

Robust Construction

Made in the UK, 2-year warranty

Equipment Included

Carry case, nozzle protector and manual

Calibration

Photopic applications by default; non-photopic calibration available

TECHNICAL SPECIFICATIONS

Range: 0D to 4D

Accuracy: +/- 0.05D

Resolution: 0.01D

Modes: Transmission

Display: Digital LCD

Battery: 50 hrs continuous

Operation time: 6 months

Dimensions: 60 x 37 x 210 mm

Calibration: NIST traceable, can be done by customer with suitable tools

Compatibility: LED, Fluorescent and halogen viewers

Battery save: Auto shutdown after 5 minutes inactivity (user changeable)

Stability: Unsteady reading indicated with flashing text

Memory: Unit autosaves last reading over power cycle

Logging: Readings can be stored and downloaded using optional cable

Indications: Red LED indicates stable reading, bad reading, errors

Indications: Unit will display Hi if viewer saturates instrument, and Lo if intensity is too low to read

Indications: LOBAT display when battery is low, and when battery insufficient to ensure accuracy

APPLICATIONS

Non-Destructive Testing (NDT)

Industrial Radiography

Medical X-ray Film QC

Dental Radiography

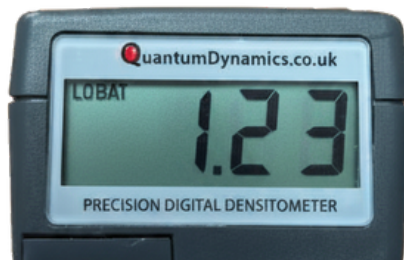
Lightbox/viewer calibration

Veterinary Radiography

Photographic Densitometry

Process Control

Quality Assurance



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