

# B&W TRANSMISSION DENSITOMETER

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- Accuracy & Repeatability
- Compact Lightweight Design
- Large LCD Display
- Easy to Use Control Panel
- Extended Measuring Arm
- Light Table for Accurate Positioning
- Measurements Include:  
Density, Positive or  
Negative Dot Area

**IHARA**

# T500 B&W TRANSMISSION DENSITOMETER

## PROVEN PERFORMANCE & DEPENDABILITY

Ihara's advanced microtechnology ensures reliable results. The simple push-button operation makes density readings easy.

## ACCURATE DOT AREA MEASUREMENTS

Make positive or negative film dot area readings.

## BROAD DENSITY RANGE

Accurate film density measurements value up to 6.00D.

## COMPACT LIGHTWEIGHT DESIGN

Our cordless, portable design makes our densitometer easy to operate at any location.

## INSTANT MINI-LIGHT TABLE

The T500 lights up automatically when the measurement arm is lowered or if any function keys are selected. Highlight target area quickly using the mini-light table.

## QUICK CHARGES

Charge battery in 1 to 1.5 hours. Orange/green LED clearly displays charge status.

## EXTENDED USAGE

Each charge provides hundreds of readings. The T500 shuts off automatically to extend battery life.

## FLEXIBLE PRINTER & PC INTERFACE

RS-232 serial port links to printers for hard copy and to computers for data analysis and storage.



## IHARA T500 B&W TRANSMISSION DENSITOMETER SPECIFICATIONS

### • DIMENSIONS

Console: 9.9" (L) x 4.1" (W) x 3.4" (H)  
(251mm x 103mm x 87mm)  
Light table: 3.1" x 2.8" (80mm x 70mm)  
Measuring Arm Length: 7.3" (185mm)

### • WEIGHT

Approximately 1,200g (including battery)

### • POWER SOURCE

AC adapter 9V-500mA  
Built-in Rechargeable Battery  
(4.8V-800mAh)

### • OPTICAL DESIGN

ANSI PH2.19 (Specular-Diffuse)

### • RESPONSE

Visual

### • LIGHT SOURCE

Halogen Lens Lamp

### • DETECTOR

Filter, Built-in Photo Diode

### • APERTURE

3mm, 2mm, 1mm

### • MEASURING RANGE

Density: 0.00D - 6.00D  
Dot Percentage: 0% to 100%

### • MEASURING FUNCTIONS

Density  
Positive Dot Area %  
Negative Dot Area %

### • REPEATABILITY

0.01D (at < 4.0D, 3mm aperture)

### • INTER-INSTRUMENT AGREEMENT

0.02D (at < 4.0D, 3mm aperture)

### • WARM UP TIME

None

### • FRINGE CORRECTION

Supported

### • CALIBRATION

One touch zeroing operation, Slope calibration using calibration film

### • INTERFACE

RS-232C Serial interface for printer  
(9,600bps, 8 Data bits, No Parity,  
1 Stop bit)

### • DISPLAY

8 character LCD

### • OPERATIONAL KEY

Interlocking arm measuring switch,  
2 operational panel keys

### • SOUND CONTROL

Supported

### • AUTO POWER OFF TIMER

Supported

### • OPERATING TEMPERATURE RANGE

41-104 F (5-40 C)

### • STANDARD ACCESSORIES

- Instruction Manual
- Aperture 3mm (installed), 2mm, 1mm
- AC Adapter (as specified)
- Calibration Film

Specifications and appearance subject to change without notice. Printed in USA

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