

# IHARA

B&W TRANSMISSION DENSITOMETER

## MODEL T500



### — FEATURES —

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

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**Extremely useful for measuring film output from an imagesetter  
and for calibration of the equipment.**

# MODEL T500

## B&W TRANSMISSION DENSITOMETER

### DEPENDABLE QUALITY ASSURANCE

#### 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.

### SPECIFICATIONS

<b>Dimensions</b>	Console : 9.9" (L) x 4.1" (W) x 3.4" (H) (251mm x 103mm x 87mm)	<b>Repeatability</b>	±0.01D (at < 4.0D, 3mm aperture)
	Light Table : 3.1" x 2.8" (80mm x 70mm)	<b>Inter-Instrument Agreement</b>	±0.02D (at < 4.0D, 3mm aperture)
	Measuring Arm Length : 7.3" (185mm)	<b>Warm Up Time</b>	None
<b>Weight</b>	Approximately 1,200g (including battery)	<b>Fringe Correction</b>	Supported
<b>Power Source</b>	AC adapter 9V-500mA	<b>Calibration</b>	One touch zeroing operation, Slope calibration using calibration film
	Built-in Rechargeable Battery 4.8V-800mAh		
<b>Optical Design</b>	ANSI PH2.19 (Specular-Diffuse)	<b>Interface</b>	RS-232C Serial Interface for printer (9,600bps, 8 Data bits, No Parity, 1 Stop bit)
<b>Response</b>	Visual		
<b>Light Source</b>	Halogen Lens Lamp	<b>Display</b>	8 character LCD
<b>Detector</b>	Filter, Built-in Photo Diode	<b>Operational Key</b>	Interlocking arm measuring switch, 2 operational panel keys
<b>Aperture</b>	φ 3mm, φ 2mm, φ 1mm	<b>Sound Control</b>	Supported
		<b>Auto Power Off Timer</b>	Supported
		<b>Operating Temperature Range</b>	41-104°F (5-40°C)
<b>Measuring Range</b>	Density: 0.00D - 6.00D	<b>Standard Accessories</b>	Instruction Manual Aperture φ 3mm (installed), φ 2mm, φ 1mm AC Adapter (as specified) Calibration film
	Dot Percentage: 0% to 100%		
<b>Measuring Functions</b>	Density		
	Positive Dot Area %		
	Negative Dot Area %		

• Specifications and appearance subject to change without notice.



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