

B&W TRANSMISSION DENSITOMETER

T
R
5
0
0



IHARA

TR500 B&W REFLECTION DENSITOMETER

PROVEN PERFORMANCE & DEPENDABILITY

Ihara's advanced microtechnology ensures reliable results. The simple push-button operation makes density reading 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 TR500 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 TR500 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

Ihara U.S., Inc.
25030 Avenue Tibbitts, Building K
Valencia, California 91355-9877 USA
Tel: 800-457-8059 (U.S. or Canada)
661-257-5772
Fax: 661-257-5880
Ihara Customer Response Center:
800-457-8059 (U.S.)
ihara-us.com

World Headquarters:

Ihara Electronic Industries Co., Ltd.
2077 Kamitaraga-Cho
Kasugai City, Aichi 486 Japan
Tel: 0568-81-6824
Fax: 0568-81-6040
ihara-group.com

Sales Office:

0568-76-7878 (Japan)
805-257-5772
(For all other countries)

IHARA TR500 B&W REFLECTION DENSITOMETER SPECIFICATIONS

- **DIMENSIONS**
Console: 8.3" (L) x 2.8" (W) x 2.0" (H)
(210mm x 72mm x 50mm)
- **WEIGHT**
Approximately 520g (including battery)
- **POWER SOURCE**
AC adapter DC 9V-500mA < >
AC 100V (120V, 220V)
Built-in Rechargeable Battery
DC 4.8V-800mAh
- **OPTICAL DESIGN**
0 / 45 (ISO 5/4, ANSI PH2.17, DIN 16536)
- **RESPONSE**
Visual (ISO 5/3)
- **LIGHT SOURCE**
Halogen Lens Lamp
- **DETECTOR**
Filter, Built-in Photo Diode
- **APERTURE**
3mm (standard), 1.7mm
- **MEASURING RANGE**
Density: 0.00D - 2.50D
Dot Percentage: 0% to 100%
- **MEASURING FUNCTIONS**
Dot Area %
- **REPEATABILITY**
0.01D (at < 2.0D), 1%
- **INTER-INSTRUMENT AGREEMENT**
0.02D (at < 2.0D), 2%
- **WARM UP TIME**
None
- **FRINGE CORRECTION**
Supported
- **CALIBRATION**
Calibration Using Calibration Reference
- **INTERFACE**
RS-232C Serial Interface
(9,600bps, 8 Data Bits, Non Parity, 1 Stop bit) (serial connection port of T500)
- **DISPLAY**
None
- **OPERATIONAL KEY**
6 Sheet Keys
- **SOUND CONTROL**
Supported
- **AUTO POWER OFF TIMER**
Interlock with T500
- **OPERATING TEMPERATURE RANGE**
41-104 F (5-40 C)
- **STANDARD ACCESSORIES**
 - Instruction Manual
 - Soft Case
 - Serial Communication Cable
 - Calibration Reference
 - 8P-8P

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