IHARA

COLOR REFLECTION DENSITOMETER

- Density
- Density Difference
- Dot Area
- Dot Gain
- Auto-Function

R720

R720 COLOR REFLECTION DENSITOMETER

HIGH PERFORMANCE & RELIABILITY
Ihara Electronic Industries utilizes advanced microcomputer technology to ensure superior performance and reliability for its entire line of densitometric products. Standard functions include: Density, density difference, dot area, dot gain and auto-function.

MENU DRIVEN COMMANDS
Simply select the functions desired. No memorization or operation manual required.

SELF-GUIDING PROMPTS
Clear and concise instructions are prompted across the large graphic LCD display in every measurement.

HELP KEY PROVIDES EXPLANATION OF KEY FUNCTIONS
Detailed explanations are available for all measurement functions along with answers to frequently asked questions.

UPGRADEABLE DESIGN
To increase measurement functions upgrade to the model R730 for a nominal fee. Contact your dealer or IHARA for more information.

QUICK CALIBRATION
It takes seconds to calibrate using the quick calibration function. Standard calibration is also available.

AUTO-FUNCTION
Auto-function allows the user to measure density and dot gain, interchangeably.

LARGE GRAPHIC LCD DISPLAY
The easy to read graphic LCD display allows the user to determine the precise configuration desired, including right or left handed view, two or three decimal precision and display options.

PRINTER AND COMPUTER INTERFACE
The configurable RS-232C serial interface is capable of linking the R720 to a computer or to the IHARA PR-95 printer.

SECURITY USER CODE (OPTIONAL)
As an option to safeguard your investment, the R720 may be set to operate only with the correct user code.

IHARA

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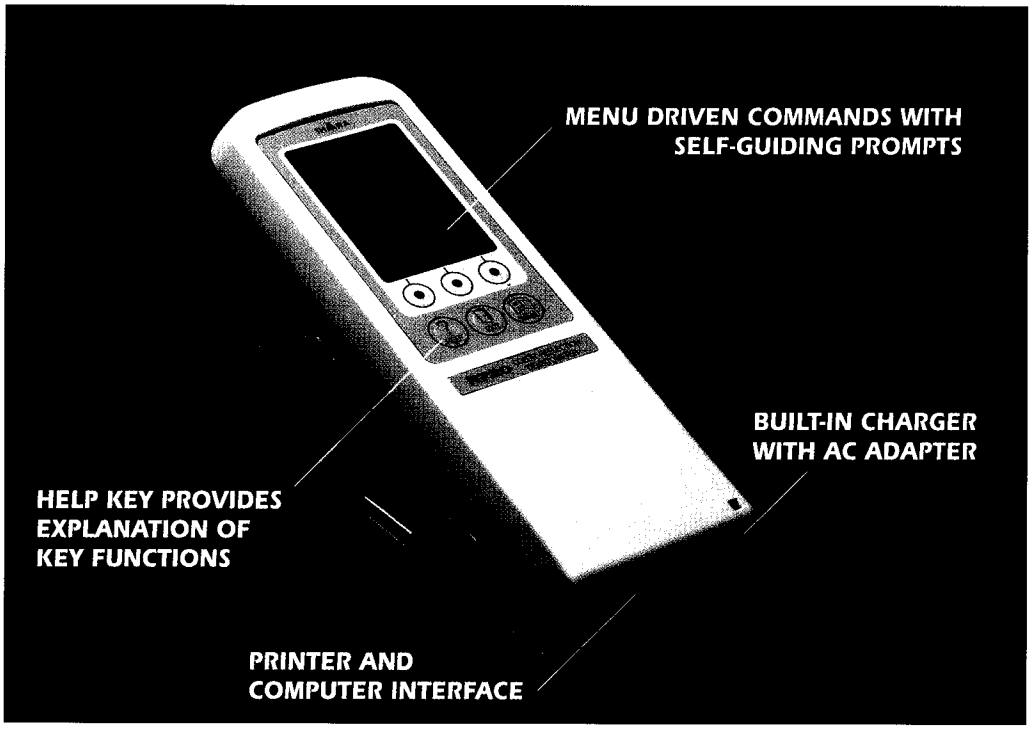

IHARA R720 COLOR REFLECTION DENSITOMETER SPECIFICATIONS

- **MEASUREMENT FUNCTIONS**
  Density
  Density Difference
  Dot Area (Murray-Davies or Yule-Nielsen)
  Dot Gain
  Auto-Function (Automatically measures density or dot gain)
- **FILTER RESPONSE**
  Status T
  Status E
  Status A
- **MEASURING GEOMETRY**
  0°/45° (ANSI PH2.17, ISO 5/4, DIN 16536)
- **MEASURING RANGE**
  Density 0.00D - 2.50D
  Dot Area 0% - 100%
- **REPEATABILITY**
  ± 0.01D or 1%
- **ACCURACY**
  ± 0.02D or 2%
- **LIGHT SOURCE**
  Halogen Lamp, Approximately 2856°K
- **APERTURE DIAMETER**
  3.0mm (1.7mm optional)
- **DETECTOR**
  GaAsP Photodiode
- **DISPLAY**
  128 x 64 Dot Graphic LCD
- **POWER SUPPLY**
  Ni-Cad (4.8V), 800mAh
- **RECHARGE TIME**
  Approximately 1.5 hours
- **MEASUREMENTS PER CHARGE**
  Approximately 4,000 (Internal Testing)
- **WARM UP TIME**
  None
- **MEASURING TIME**
  Approximately 1 second
- **OPERATING TEMPERATURE RANGE**
  41°F ~ 104°F (5°C ~ 40°C)
- **POLARIZATION FILTER**
  (Optional)
- **SECURITY USER CODE**
  (Optional)
- **DIMENSIONS**
  2 3/4"W x 2"H x 8 1/4"L
  (72mm x 50mm x 210mm)
- **WEIGHT**
  1.2 lbs. (With Batteries)
  (530 g)
- **COMPUTER OUTPUT**
  Configurable RS-232C Serial Interface
- **ACCESSORIES**
  - Operation Manual
  - Calibration Standard
  - AC Adapter (9V, 500mA, center-negative)
  - Carrying Case
  - Serial Interface Cable (Optional)
  - Ihara PR-95 Printer (Optional)
  - Software (Optional)
  - Cable Harness (Optional)

Specifications subject to change without notice.

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