Ihara S900 Spectrophotometer

Portable Spectrophotometer

Application

This small, light weight portable spectrophotometer is designed for easy operation and high precision for a variety of functions – measures the wavelength and output interval of light sources in your screenmaking area

Characteristics

- 0/45°, 400nm–700nm, 10 nm
- High precision (Repeatability) – ΔE*ab < 0.05
- Spectral reflectance, Chromaticity (X•Y•Z, L*a*b*, etc.), Color difference equations (ΔE*ab, ΔECMC, ΔE*94, etc.), and Densitometer functions (C•M•Y•K Display).
- In addition to RS232C, an infrared communication port (IrDA) is provided for wireless communication with a personal computer.

SAATI S.p.A.
Via Milano, 14–22070
Appiano Gentile (CO), Italy

www.saati.com

HQ +39 03 97 11
Fax +39 031 933 392
info.it@saati.com

US +1 800 4312200
Fax +1 864 8620089
info.us@saati.com

CN +86 22 23960843
Fax +86 22 23962116
info.cn@saati.cn

Specifications

Model	Spectrophotometer S900	**Measurement Averaging**	Possible
Dimensions	212mm(L) x 77mm(D) x 84mm(H)	**Data Storage**	400 Data
Weight	approx 770 g / 1.7 lb	**Reference Colors**	40 Data (direct key entry or from stored data.)
Light Source	Halogen Lamp (Approx. 2856° K)	**Display**	128 x 64 Dot Graphic LCD
Optics	0-45°, Double Beam Optical Fiber System	**Right or Left Handed View**	Possible to adjust the viewing direction of the LCD
Spectral Device	Interference filter (Bandwidth 14nm)	**LCD Contrast Adjustment**	Installed
Receiver	Photodiode	**Operational Key**	6 Seat Keys (Including 3 Function Keys)
Spectral Range	400nm - 700nm	**Power Supply**	Ni-Cd (4.8V), 800mAh
Spectral Interval	Measurement: 20nm Output: 10nm	**AC Adapter**	DC 9V-500mA Center-negative
Aperture Diameter	Φ 10mm (Standard), Φ 3mm, Φ 2mm	**Recharge Time**	Approx. 1.5 hours
Illuminant Types	A,C,D50,D65, F2, F6, F7, F8, F10, F11, F12	**Measurements per Charge**	Approx. 1,000 (Internal Testing)
Standard Observers	2°,10°...	**Battery Status Indicator**	Displayed on the LCD
Filter Response	ISO:STATUS-T, E, A, I DIN: Wide, Narrow	**Sound Control**	Possible
Measurement range	0 to 200% reflectance	**Warm up Time**	None
Repeatability	ΔE*<0.05 (Φ 10mm, standard deviation for average value source 20 times measurement of white board)	**Auto Power Off Timer**	4 Selections (Including Disability)
Measurement Time	Approx. 2 Seconds	**Operating Temperature Range**	5-40° C / 41-104° F
Measurement Functions Color Values	Spectral Data (Values/Graphs), XYZ, Yxy, L*a*b*, *C*h*, L*u*v*, Hunter Lab, Whiteness (3 varieties), I (2 varieties), MI, Density, Pass/Fail Function, sRGB, ΔXYZ, ΔYxy, ΔL*a*b, ΔL*C*H*, ΔL*u*v*, ΔHunter Lab, ΔWhiteness (3 varieties), ΔYI (2 varieties), ΔDensity	**Intelligence Function**	Infrared Communication, RS-232C output (It is possible to transfer the data into MS-Excel 97 worksheets directly using the optional software.)
Color Differences	ΔE*ab, ΔECMC, ΔE*94, ΔE*UV, ΔE Hunter, ΔEEMC 2	**Temperature Sensor**	Installed*(Re-calibration message is displayed when emperature shifts.)
Densitometer Functions	CMYK Density, Density Difference, Dot Area, Dot Gain, Print Contrast, Ink Trap, Hue Error, Grayness, Saturation, Cast, Brightness, Auto Function, Dot Analysis, Plate Dot Area	**Standard Accessories**	Calibration Board, Zero Cap, AC Adapter, Operation Manual, Carrying Case
		Options	PR-95 Printer, Serial Interface Cable, Software

SAATI S.p.A.
Via Milano, 14-22070
Appiano Gentile (CO), Italy

www.saati.com

HQ +39 03 97 11
Fax +39 031 933 392
info.it@saati.com

US +1 800 4312200
Fax +1 864 8620089
info.us@saati.com

CN +86 22 23960843
Fax +86 22 23962116
info.cn@saati.cn