

Brightimeter S4-M

AN ECONOMICAL AND EASY TO USE BRIGHTNESS TESTER WHICH PROVIDES INSTANTANIOUS DIGITAL READ-OUT OF TAPPI/GE BRIGHTNESS.

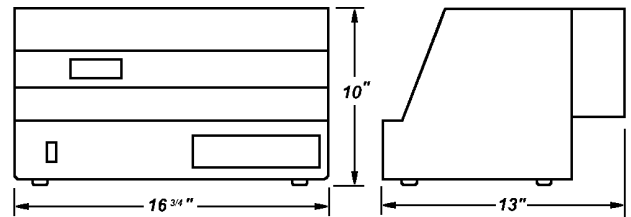
BRIGHTMETER S4-M BRIGHTNESS AND FLUORESCENCE TESTER.

The Brightimeter S4-M is an improved version of the previous Model S-4 which gained industry acceptance through many years of successful use in the hostile environments of pulp, paper, and clay mills. Strict adherence to TAPPI Official Test Method T452 (pulp and paper brightness) has made the Brightimeter the U.S. Paper Industry's number one brightness tester. The Model S4-M provides instantaneous digital readout and many other standard features, plus the option of measuring brightness both with and without the excitation of fluorescing agents.

KEY FEATURES

- ✓ **Meets Industry Standards** – Conforms to TAPPI Official Test Method T452 and ASTM Standard D985.
- ✓ **Digital Panel Meter Readout** – Large, easy to read, illuminated display. Minimizes reading error.
- ✓ **Fast and Simple Operation** – Readings appear on the digital panel meter almost instantaneously.

- ✓ **Long Life Lamp** – Quartz tungsten halogen lamp is highly stable and quickly replaceable.
- ✓ **Accuracy** – Reading resolution and short-term repeatability $\pm 0.1\%$. Maximum deviation from TAPPI calibration standards $\pm 0.3\%$.
- ✓ **Interfacing** – Serial RS232 and parallel BCD output for computer interfacing are standard features.

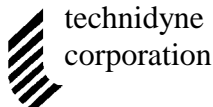


Specifications:

Net Weight (unpacked)	32 lbs.
Gross Weight (packed)	39 lbs.
Gross Weight (packed for export)	48 lbs.
Power Requirements	100-130VAC/ 50-60 Hz
.....	200-250 VAC/ 50-60 Hz

Brightness Optics

Incident Angle	45° $\pm 0.5^\circ$
Incident Cone Half Angle	11.5° $\pm 2^\circ$
Specimen Aperture – dia.	12.7 ± 0.13 mm
Viewing Area – dia.	9.53 ± 0.076 mm
Viewing Area	0° $\pm 0.5^\circ$
Reflected Cone Half Angle	22.5° $\pm 2^\circ$
Spectral Match	
Dominant Wavelength	± 0.5 nm
Bandwidth	± 0.5 nm
Photometric Linearity	
Error-Max	0.1%



*A Spectrum of
Solutions*

S4-M