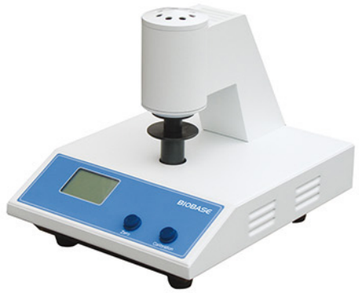
Whiteness Meter

BK-WM1



BK-WM2

BK-WM2A

BK-WM3 & BK-WM3A

Introduction:

Whiteness meter with the digital display is mainly applicable for the measurement of the whiteness degree on the surface of the object or the powder in the white color and the color close to white. The whiteness degree can be accurately educed that is consistent with the visual degree. The opacity degree of the paper can also be accurately measured. This instrument can be widely applied for the measurement of the whiteness degree of the objects like textile & printing & dying, oil paint & dope, chemical construction material, paper & paper plate, plastic product, white cement, ceramics, porcelain enamel, porcelain clay, french chalk, starch, flour, salt, wash, and cosmetics, etc.

Features for BK-WM1:

* AC & DC power supply, low power consumption, cabinet and handsome contour design, facilitating field and lab use.
* Microcomputer, LCD liquid crystal with backlight display, low voltage warning, and the device will automatically shut down after 10 minutes of no operation.
* Automatic zeroing and correction, averaging measurement function. Stable measurement data, good repeatability and small error.
* Equipped with high-efficiency long-life LED light sources, maintenance-free operation is achieved.
* It can start working normally after a 30-second warm-up and is equipped with a USB data output interface.

Features for BK-WM2:

* The design with the reliable active platform, can effectively prevent the phenomenon of the light leak in the measurement hole.
* The simple operation, and can accurately measure the opacity degree of the paper.
* Adopt the standard white plate rated by the central government to convey the standard value, and the measurement is accurate and reliable.

Features for BK-WM2A:

* The configuration with the high-automatic & multi-function microcomputer, equipped with the RS232 serial communication interface to connect the printer.
* The overall spectrum characteristics of the instrument comply with the responding curve of the CIE standard observer, and can accurately obtain the ISO whiteness degree.
* High stability and reproducibility, completely eliminating system drift error, with data storage and query functions, meeting GLP requirements.
* Equipped with data storage and query functions, as well as fully automatic calibration.

Features for BK-WM3 and BK-WM3A:

* Adopt the quality imported & original components, with the high-efficiency & low-spoilage circuit, and with the good reliability.
* The configuration with the high-automatic & multi-function microcomputer, equipped with the RS232 serial communication interface to connect the printer.
* The overall spectrum characteristics of the instrument comply with the responding curve of the CIE standard observer, and can accurately obtain the ISO whiteness degree.
* Nonlinear data processing and data smoothing functions, rapid automatic multi-point calibration, self-diagnostic information prompts, fast and stable response, maintenance-free reliable operation.
* High stability and reproducibility, completely eliminating system drift error, with data storage and query functions, meeting GLP requirements.
* Equipped with data storage and query functions, as well as fully automatic calibration.

BIOBASE
E-mail: export@biobase.com
www.biobase.cc / www.biobase.com

Technical Parameters:

Model	BK-WM1	BK-WM2	BK-WM2A	BK-WM3	BK-WM3A
Measuring Range	0~199		0~120		
Measuring Condition	45/0			0/d	d/0
Illuminant	D65	/			
Display	LCD				
Whiteness Mean	Whiteness degree of blue light Wb = R457				
Minimum Readout	0.1		0.01		
Calibrate	Φ15	Φ30			
Zero Drift	≤±0.1				
Indication Error	≤±2.5	≤±1			
Repeatability	0.2				
Power Supply	AC 220V, 50/60Hz; DC 7.5V, 0.2A(1.5V AA alkaline dry battery*5), power supply adapter	AC220V, 50/60Hz; 110V, 50/60Hz			
External Size(W*D*H)	235*75*65mm	325*265*280mm		310*280*280mm	
Package Size(W*D*H)	370*285*175mm	400*330*345mm		370*355*380mm	
Net Weight	0.8kg	4kg	4.56kg	3.1kg	
Gross Weight	1.8kg	5kg	5.56kg	4.1kg	