

**Always ready**

The BYK-mac uses a light source with long term stability and patented illumination control which provides superior accuracy and low maintenance for many years.

- Stable, long term calibration - needed only every three months
- Temperature independent measurement results between 10 - 40 °C - without calibration
- Excellent agreement between instruments
- 10 year warranty on the light source - no lamp changes needed

The instrument is operated with 4 AA NiMH rechargeable batteries - good for 1000 readings. Optionally an external power supply can be used.



In compliance with:

**Standards**

ASTM	D 2244, E 308, E 1164, E 2194
DIN	5033, 5036, 6174, 6175-2
ISO	7724
SAE	J 1545

**Ordering Information**

Cat. No.	Description	Price
CM-6340	BYK-mac	To Be Announced
SE-6340	Extended Warranty one-year additional	To Be Announced

**Comes complete with:**

- Black calibration standard
- White calibration standard with certificate
- Cyan checking reference
- Protective cap
- USB interface cable
- 8 x AA rechargeable batteries
- External battery charger
- BYKWARE auto-chart software
- Carrying case
- Operating manual
- Training

**Hardware Requirements:**

PC with Windows® 2000 or later operating system, min. 256 MB RAM recommended 512 MB), min. 100 MB hard-disk space, XGA (1024 x 768) or higher resolution, CD-ROM or DVD drive, free USB interface, Excel® 2003 for pre-prepared worksheets, including VBA - Visual Basic for Applications

**Technical Specifications**

<b>Measuring Geometry:</b>	45° illumination -15°, 15°, 25°, 45°, 75°, 110° aspecular viewing
<b>Measuring Area:</b>	23 mm diameter
<b>Spectral Range:</b>	400 - 700 nm, 10 nm resolution
<b>Measurement Range:</b>	0 to 400 % reflectance
<b>Measuring Time:</b>	< 6 seconds
<b>Repeatability</b>	0.02 ΔE*, 1 σ (10 consecutive measurements on white)
<b>Reproducibility</b>	0.20 ΔE*, 1 σ (average on 12 BCRA II tiles)
<b>Color Scales</b>	ΔE*; ΔE CMC; ΔE DIN6175
<b>Effect Parameters</b>	Sparkle, Graininess
<b>Illuminants</b>	A; C; D50; D65; F2; F7; F11; F12
<b>Observer</b>	2°; 10°
<b>Memory</b>	1000 standards / samples
<b>Language</b>	English, German, French, Italian, Spanish
<b>Power Supply</b>	4 AA NiMH batteries
<b>Operating Temperature</b>	10 to 42° C (50 to 110° F)
<b>Relative Humidity</b>	up to 85%, 35° C (95° F); non-condensing
<b>Dimensions</b>	218 x 8.1 x 14.7 cm (8.6 x 3.2 x 5.8 in.)
<b>Weight</b>	approx. 1.3 kg (approx. 2.86 lbs)