

StandAlone

Article No. S40600.PC



# BRIGHTNESS & COLOUR METER PC-VERSION

For:



✓ PAPER



✓ BOARD

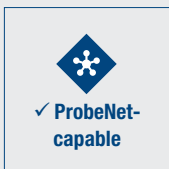


✓ TISSUE

For determination of ISO brightness, color, color differences, fluorescence and opacity of paper.



Sample support with clamped sample



## MOST IMPORTANT BENEFITS

- ✓ Double-beam-spectrophotometer with  $d/0^\circ$  geometry
- ✓ Measuring with different light sources without recalibration
- ✓ Automatic calculation of the standard deviation after several test sequences

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## PRODUCT DESCRIPTION

The brightness colour meter consists of a spectrophotometer, which is supported within a robust housing, and a separate PC. The double beam spectrophotometer allows speedy measurement procedures at the same time as providing high resolution. The device is operated via the included PC, which displays both the results and relevant graphics after the test. The damped sample support is beneath the spectrophotometer. The sample is clamped with help of the damped sample support, so that no light from outside comes into the sphere and the measurement is carried out correctly.

## TEST DESCRIPTION

The desired measurement method is selected from pre-set standard test types or a predefined test program created by the operator. The identification number of the sample (tambour number, etc.) is entered to identify the sample. Then the sample is placed on the sample support, and this is released to initiate automatic closing. Pushing the start button begins the measurement. The results are displayed on the PC, both numerically and graphically. If more than one test is carried out, these can be compared as statistics as well as displayed as standard deviations. The data can be easily printed via the PC's USB port, or stored using a USB compatible storage device.

## TECHNICAL DATA

### DEVICE/INSTRUMENT

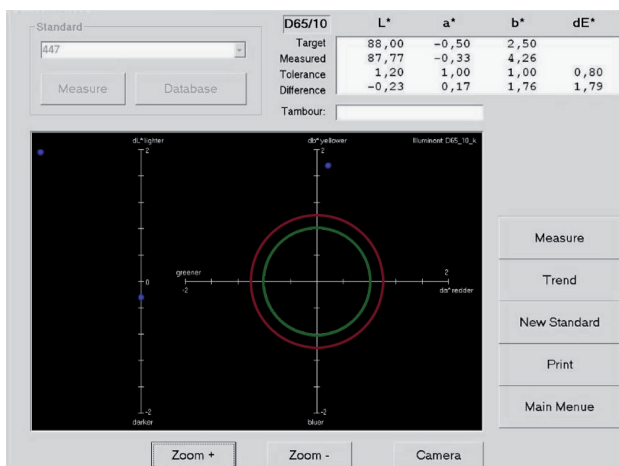
- Easy operation via delivered PC
- Double-beam spectrophotometer with d/0°-geometry
- Wavelength range: 360 – 740 nm
- Wavelength pitch: 10 nm
- Reflectance range: 0 – 200%, resolution: 0.01%
- Light source: pulsed xenon lamps
- Measurement area:  $\varnothing$  30 mm
- Measuring with different light sources without recalibration
- Compatible with ProbeNet (see pages 78 – 81)
- Measurement methods:
  - ISO brightness (R457)
  - Color: XYZ / Rx, Ry, Rz / L, a, b / L\*, a\*, b\* / L\*, C\*, h\* / x, y, Y
  - Color difference between two samples resp. standard and sample
  - Fluorescence
  - Opacity
- Optional available:
  - Brightness and UV calibration standards

### INSTALLATION REQUIREMENTS

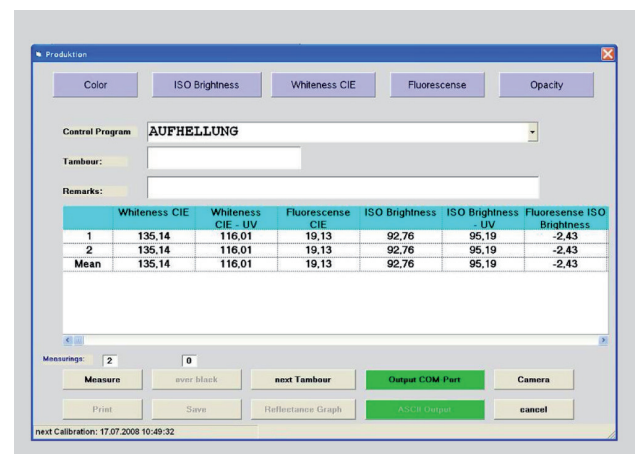
Electrical connection	110 – 230 V / 50 – 60 Hz
Water connection	No
Compressed air	No

### APPLICABLE STANDARDS

- DIN 53145 bis 53147, 54500
- ISO 2469, 2470, 2471, 3688, 11475, 11476
- TAPPI T519, T525, T527



Automatic calculation of the standard deviation



User interface with measuring results