MOST IMPORTANT BENEFITS

✓ Compact device with built-in industrial PC
✓ Two-beam spectrophotometer with touchscreen
✓ Spectral range: 360 – 740 nm
✓ Sphere with d/0° geometry, pulsed xenon flash lamp
✓ “WinPaper”-Software, especially designed for the paper industry
PRODUCT DESCRIPTION

The ModularLine brightness and color meter uses a xenon flash technique and a dual beam spectrophotometer. Depending on the applicable standard, various UV levels are available, which can simulate daylight and artificial light. The testing device is extremely precise and stable, and very reliable. Different algorithms can be used to produce a multitude of calculations for every measurement carried out, which can be displayed and further processed if required. The use of an automatic stack changer, in the form of a turn table, emphasises comfort of use for the test device, not only when it is used as part of a ModularLine.

TEST DESCRIPTION

The measuring mechanism of the test device is placed on the sample automatically, and the stack selected for measurement is placed in the correct position by the stack changer. After the measurement, the stack is replaced by the black standard automatically, and a further measurement is carried out. The values determined form the basis for calculating the colour characteristics, brightness and opacity. The stack changer provides six positions, that can optionally be equipped with calibration standards for fully automatic base calibrations and/or with various sample stacks. With the sample punch, available as an extra the individual stack holders can be filled directly, preventing any contamination of the sample stack by user’s hands.

TECHNICAL DATA

DEVICE/INSTRUMENT
• Easy operation via the integrated touch screen
• 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: ø 30 mm
• Measuring with different light sources without recalibration

INSTALLATION REQUIREMENTS

| Electrical connection | 110 – 230 V, 50/60 Hz |
| Water connection     | No                    |
| Compressed air       | 400 – 600 kPa         |

APPLICABLE STANDARDS

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