



fournitures et matériels pour l'imprimerie
et l'impression grand format
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TECHKON
Erfolg ist messbar



TECHKON DENS



TECHKON DENS – Color-Densitometer

The new TECHKON DENS unifies three devices in one. It is a color reflection densitometer for CMYK color prints, a film transmission densitometer and a high-precision illuminated magnifying glass for the visual control of printing results.

This cost effective entry-level instrument allows everyone to perform a fundamental densitometric quality control on the basis of the reliable high accuracy well-known from all TECHKON instruments.

The DENS indicates densities, dot area and gray balance clearly legible on a large color display. Automatic color and gray balance detection speeds up the measuring. In addition the device is easily operated by only three buttons. The whole measurement is provided in a split of a second.

LED technology, durable and energy-saving, is used as light source. A multi-channel color sensor evaluates the measuring signal guaranteeing inter-instrument agreement with high-class spectrophotometers.

The integrated Li-Ion battery can be recharged very fast via the USB cable on any USB port and delivers energy for a few thousand measurements.

To meet the demands of a printing rooms harsh environment, the compact casing of the DENS is made of solid aluminum and is therefore very robust. Despite its solidity, the DENS nevertheless weights only 330 g and due to its ergonomic and elegant design it is definitely more than just a user-friendly and precise measurement tool – it is an eye-catcher.



Specifications

| | |
|----------------------------|--|
| Measurement technology | Multi-channel color sensor, color density determination to ISO 5-3 |
| Measurement geometry | 0/45° optics |
| Measurement aperture | 2.5 mm |
| Light source | LED |
| Polarization filter | Twice linear crossed (ISO E) optional no polarization filter (ISO T) |
| Measurement time | 0.5 seconds per measurement |
| White reference | Relative (ISO E) or absolute (ISO T) |
| Density filter | ISO E (with polarization filter) optional ISO T (without polarization filter) |
| Density measurement range | 0.00 – 2.50 D in reflection, 0.00 – 4.00 D in transmission |
| Repeatability | 0.01 D |
| Inter-instrument agreement | 0.01 D |
| Display | Backlight color display |
| Magnifier | 4 x magnification, lit |
| Power supply | Rechargeable Li-Ion battery, regulated recharge via USB cable, up to 10.000 measurements per battery charge, battery level control |
| Weight | 330 grams |
| Dimensions | 32 x 68 x 175 mm (approx. 1.3 x 2.7 x 6.9 inches) |

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