

TECHKON

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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 5-3/4
Measurement geometry	0/45° optics to DIN 5033
Measurement aperture	3 mm
Light source	LED
Polarization filter	Twice linear crossed or no polarization filter
Measurement time	0.5 seconds per measurement
White reference	Absolute or relative
Density filter	ISO E or ISO/ANSI T
Density measurement range	0.00 – 2.50 D reflection, 0.00 – 4.00 D transmission
Repeatability	0.01 D
Inter-instrument agreement	0.01 D
Display	Backlight color display
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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