

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
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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