TECHKON

Erfolg ist messbar

MODE   **CAL**   **DENS**

1.33 D

TECHKON DENS

TECHKON DENS – Color-Densitometer
Easy-to-use, precise & elegant

Three measurement devices in one

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 you 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. The DENS weights only 330 grams and thanks to its ergonomic and elegant design it is more than a user-friendly and precise measurement tool – it is an eye-catcher.

The highlights at a glance

- Three measurement devices in one
- Intuitive operation
- Large, backlit color LC display
- Measurement time less than one second

- LED technology
- High quality multi-channel color sensor
- Solid aluminium case
- Precision magnifier, 4 x magnification, lit

Image in original size

Versions and functions

DENS-E   • Color display • Density filter according to ISO status E with polarization filter (European standard)
DENS-T   • Color display • Density filter according to ISO status T without polarization filter (North American standard)
Contents   • Measurement device DENS • USB charging cable • Short Manual

Specifications

Measurement geometry	45° : 0° optics
Measurement aperture	2.5 mm
Light source	LED
Polarization filter	Twice linear crossed (ISO E); optional without 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)

TECHKON GmbH • Wiesbadener Str. 27 • D-61462 Königstein/Germany • Phone +49 6174 92 44 50 • info@techkon.com • www.techkon.com