

**TECHKON**  
Perfect Color Made Easy



TECHKON DENS



## TECHKON DENS – Color-Densitometer Precise, Robust, and Easy-To-Use

### Three measurement devices in one

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

This cost effective entry-level instrument allows you to perform fundamental densitometric quality control with the same accuracy and reliability for which TECHKON instruments are known.

The DENS displays density, dot area and gray balance values that are all 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. Measurement results are provided in a fraction of a second.

LED technology, durable and efficient, is used as the light source. A multi-channel color sensor evaluates the measuring signal, guaranteeing inter-instrument agreement with any high-grade spectrophotometer.

The integrated lithium-ion battery is recharged very quickly using the USB cable on any USB port and delivers energy for a several thousand measurements.



To meet the demands of an omission harsh pressroom environment, the compact housing of the DENS is made of solid aluminum and is therefore very robust. The DENS weighs only 330 grams. Thanks to its ergonomic and elegant design, it is more than a user-friendly and precise measurement tool – it's an elegantly designed device.



## Highlights at a glance

- Three measurement devices in one
- Straight-forward operation
- Large, backlit color LC display
- Less than 1-second measurement time
- LED lighting technology
- High quality multi-channel color sensor
- Solid aluminium casing

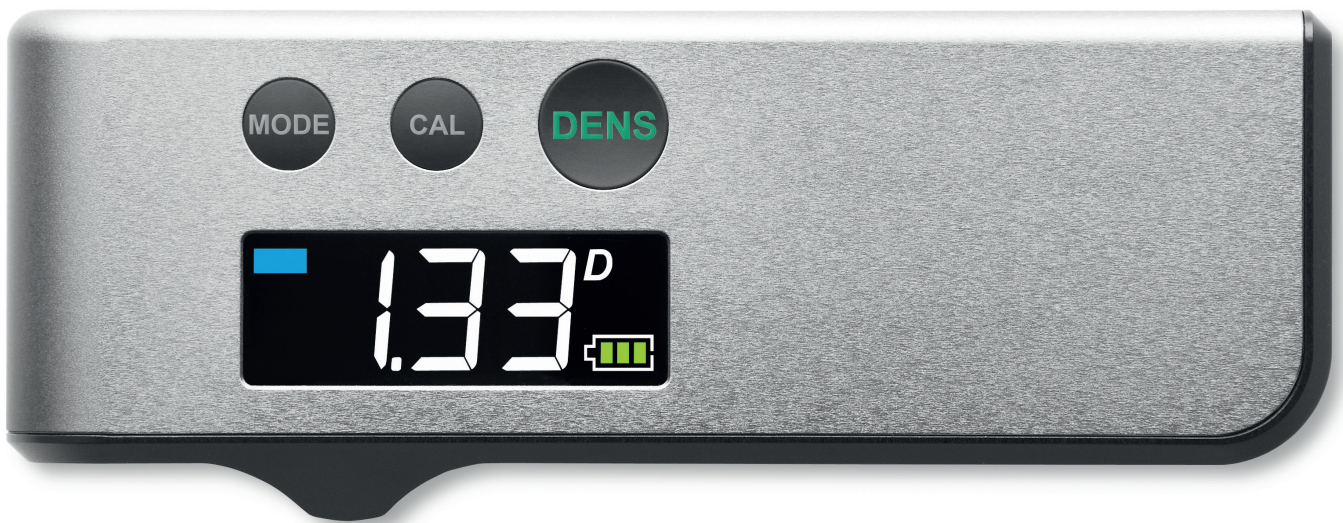


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## Versions and functions

DENS-E  
DENS-T  
Contents

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

## Specifications

Measurement geometry	45° :0° optics	Repeatability	0.01 D
Measurement aperture	2.5 mm	Inter-instrument agreement	0.01 D
Light source	LED	Display	Backlight color display
Polarization filter	Twice linear crossed (ISO E); optional without polarization filter (ISO T)	Magnifier	4 x magnification, lit
Measurement time	0.5 seconds per measurement	Power supply	Rechargeable Li-Ion battery, regulated recharge via USB cable, up to 10.000 measurements per battery charge, battery level control
White reference	Relative (ISO E) or absolute (ISO T)	Weight	330 grams
Density filter	ISO E (with polarization filter); optional ISO T (without polarization filter)	Dimensions	32 x 68 x 175 mm (approx. 1.3 x 2.7 x 6.9 inches)
Density measurement range	0.00 – 2.50 D in reflection, 0.00 – 4.00 D in transmission		