TECHKON SPECTRODENS 4

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About Techkon

- Well-engineered, reliable products
- Broad product portfolio for pressroom
- Highly satisfied customer base

Techkon USA
Greater Boston Area
Local service, support team

Techkon GmbH
Königstein, Frankfurt Area
Design & manufacturing
Product Portfolio
TECHKON SPECTRODENS 4
SPECTRODENs HANDHELD AND SCANNING SPECTRODENSITOMETER
SPECTRODENS AVAILABLE IN THREE MODELS

**Basic**
- Density
- Dot Gain
- Print Contrast
- Scan Print Density Curve

**Advanced**
- All Basic Functions
- CIE Lab
- Delta E
- Remission Spectrum
- Color Libraries
- G7 Support
- G7 Scanning
- InkCheck

**Premium**
- All Basic & Advanced Functions
- Scanning
- Pass/Fail Tolerance
- ISO Check
- Averaging
- Media Wedge
- OBA's
- Opacity
• Measurement engine was completely redesigned using a diffraction grating paired with a new, ultra-high definition, spectral sensor

• Differential encoder and precisely aligned wheels allow for spot measurements or the scanning of color bars up to 43” long

• True wifi connectivity to computers for faster communication speeds, enhanced security, and greater connectivity range

• NIST traceable calibration
High definition spectral sensor with more than 3X the resolution of competitive devices
- Samples color in approximately 3nm increments (from 340-850nm)
- Higher sampling rate provides more precise spectral characterization of measured sample

- Led light source
- Fully complies with ISO-13655
- M0-M3 measurement conditions
- 0/45° measurement geometry
MULTIFUNCTIONAL

- Spot and scan
  - Seamlessly switch between spot readings and color bar scanning without additional accessories
- Density and spectral capabilities
- Use across production workflow
  - Prepress, proofing, ink formulation, pressroom, & quality control
- Memory capacity for up to 20K reference values
ERGONOMICS / EASE OF USE

- Integrated wheels eliminate need for attachments when scanning
- Unique side aperture design makes positioning and alignment easy
- Quick measurement & calibration
  - Spot measurement < 1 second
  - Calibration < 3 seconds
  - ISO check < 3 seconds
- One-handed operation
- Intuitive user interface
G7™ feature displays recommended ink key adjustments for CMY density to achieve neutral values according to G7 specification. This makes it much easier to implement G7 in your facility.
RELIABILITY

- Solid aluminum unibody case
  - Machined from single block of aluminum for harsh production environments
- Rechargeable long life battery
  - Lifepo4 battery has 2X life expectancy, faster recharging and provides 10,000 measurements per charge
- Wireless inductive charging
  - No exposed electrical contacts allows for greater ease of use, reliability, and maintenance free charging
- New micro USB connector
  - Device charges when connected to PC
NEW FEATURES

- Ink Check: specific ink density adjustments to obtain lowest deltaE color match
- Integrated G7 standards with pass/fail and gray balance adjustment recommendations
- Customer exchangeable apertures
- Available with Expresso software – continuous color bar scan and visual representation of results by ink zone & printing units.
- SCTV - method for the calculation of spot color tone values produces approximate uniform visual spacing of tones between substrate and solid ink values.
SpetroDens comes with desktop software to help create, edit, & manage your color libraries, generate QC reports, export data, & manage instrument settings.