TECKON SPECTRODENS 4

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

Product Portfolio

SPECTRODENS HANDHELD AND SCANNING SPECTRODENSITOMETER

SPECTRODENS AVAILABLE IN THREE MODELS
- 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 wireless connectivity to computers for faster communication speeds, enhanced security, and greater connectivity range.  
- NIST traceable calibration.

**SPECTRODENS ACCURACY**

- 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 samples.  
- Led light source.  
- Fully complies with ISO-13655.  
- 0/45° measurement geometry.

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**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 COMPLIANCE**

- 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.  
  - Lithium battery has 2X the capacity, 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.

DESKTOP SOFTWARE

- SpetroDens comes with desktop software to help create, edit, & manage your color libraries generate QC reports, export data, & manage instrument settings.