



## Scan-Densitometer RS 400 Scan-Spectrometer RS 800

- For automatic measurements of densities and dot gains
- For ink-zone specific control of printing presses
- For calibration of digital printers and copiers
- Very high measurement speed (max. 150 mm/s)
- Use also as a regular hand-held measuring device
- Use with any print control strip
- Scan-Spectrometer RS 800 particularly suitable for measuring spot colors

The compact **Scan-Densitometer RS 400** and **Scan-Spectr ometer 800** revolutionize automatic measurements of densities and dot gains on any print control strip, color wedge and test chart. Operation is easy: The ergonomically-designed measurement device fits securely in your hand. Quickly glide it over the print test strip. The different measuring fields and their position on the control strip are automatically recognized. Tracking wheels on the bottom of the device ensure a secure and straight run. On large-format print sheets, the device is slid along a guiding track.

When measuring an image, the instrument is guided from a defined starting point with high repetitive accuracy to a select point in the image. This permits, for example, precise determination of gray and color balance on exactly the same spot in the image. It's just as easy to obtain a density profile of color gradings. The high measurement rate of eight measurements per millimeter guarantees accurate measuring results - even with very small color patches.

Two different models are at your choice: The **Scan-Densitometer RS 400** finds its application preferably in 4-color printing and the **Scan-Spectr ometer RS 800** is especially designed for measuring spot colors thanks to its high-resolution spectral engine. Both instruments can also be used as standard handheld devices for single measurements: Just position on the color field, depress the measuring key - that's all ! Measuring on printing plates is just as easy.

High precision, reliability and ergonomic handling make the Scan-Densitometer and the Scan-Spectrometer valuable tools for quality printing.

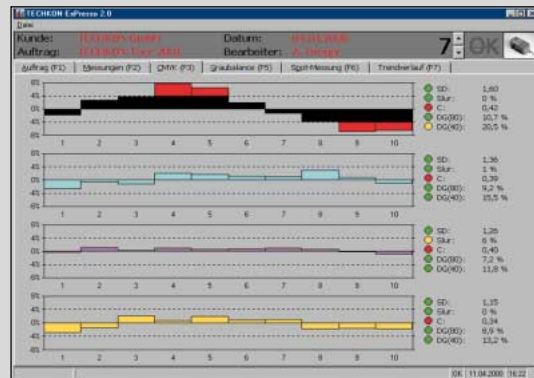
#### TECHK ON ExPresso

The Windows software **TECHK ON ExPresso** takes the measurement values of the device and displays the ink-zone specific density values at a glance on a computer screen. This permits precise control of printing machines, thus enabling shorter set-up times, less paper waste and exacting print quality.

Using **TECHK ON ExPresso** is easy: The instrument is hooked up via a data cable to the serial port of a PC. Then the software is started in Windows. System requirements

are: PC with Windows 9x, NT and a free serial port.

Multiple functions - gray balance, trapping, tolerance settings and selection of standardization parameters - permit the application of the software for machine check-up and diagnosis.



The extended version **TECHK ON ExPresso Pro** is designed for analyzing and displaying measurements of spot colors and is therefore the right combination for the **Scan-Spectr ometer RS 800**.



Incorporation into other software solutions, e.g. RIP programs for calibration of output devices is possible. Color wedges for precise linearization of digital printers are measured in seconds.

Tec hnical Data	Scan-Densitometer RS 400	Tec hnical Data	Scan-Spectr ometer RS 800
Measuring Method	color density according DIN 16535/ISO 5-3	Measuring Method	spectral density according DIN 16535/ISO 5-3, spectral range 400 to 700 nm
Density standards	DIN E, (other filters optional)	Density standards	DIN E, Status T, Status I, free selection for spot colors
Polarization filters	2x linear, (standard)	Polarization filters	2x linear, (standard)
Measuring range	0.000 - 2.500 D	Measuring range	0.000 - 2.500 D
Measuring aperture	3 x 1.5 mm	Measuring aperture	3 x 1.5 mm
Measuring light	2856 ± 100 K	Measuring light	2856 ± 100 K
Measuring geometry	0°/45°	Measuring geometry	0°/45°
Repeatability	± 0.005 D	Repeatability	± 0.005 D
Scanning parameters	scanning speed max. 150 mm/s, smallest measurement field width 3 mm, simultaneous measurement of CMYK	Scanning parameters	scanning speed max. 150 mm/s, smallest measurement field width 3 mm, simultan. 16-band spectral measurement
Serial port	serial RS 232, 115 kBaud	Serial port	serial RS 232, 115 kBaud
Power supply	AC adapter 100-240 V / 47-63 Hz	Power supply	AC adapter 100-240 V / 47-63 Hz
Dimensions/Weight	HWL 50 x 75 x 135 mm, 350 g	Dimensions/Weight	HWL 50 x 75 x 135 mm, 350 g

Specifications are subject to change without notice. © TECHKON 2000

# TECHKON®

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