

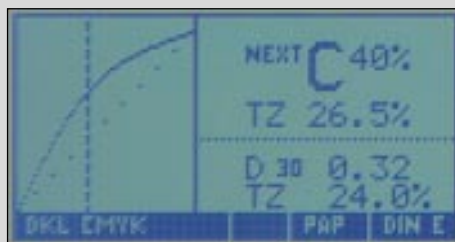


Spectro-Densitometer SD 620

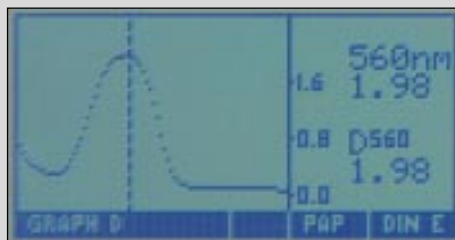
- for print, proof and pre-press
- for 4-color, multi-color and spot color print
- for measurement on the printing plate
- contains all densitometric functions
- high-precision spectral measurement technology
- light, compact and quick
- easy, menu-driven operation
- robust and low maintenance thanks to lack of moving parts

The **TECHKON Spectro-Densitometer SD 620** represents a new generation of color densitometers. The spectral measurement engine widens application from 4-color print to multi- and spot color print without the need to deal with the complexity of colorimetric data. For the first time even special inks can be densitometrically controlled regarding solid density, screen values and print contrast and thus be reproduced without limits in print.

The foundation for the various measurement functions is the high resolution spectral measurement element of permanent precision. Colors are spectrally analyzed by the standardized measurement element and are exactly converted into densitometric values through the application of mathematic filter curves. This permits selection of any filter characteristics, e.g. DIN E or ISO T/I.



Characteristic printing curve

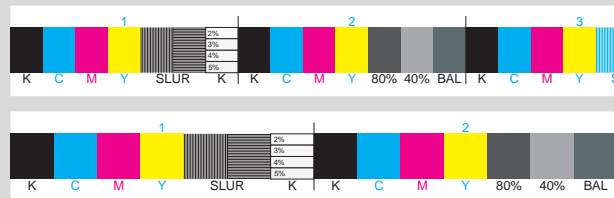


Spectral density distribution

The graphic LCD display features optimal user friendliness and clarity. Just a few screen percentage measurements are necessary for the display of a complete characteristic printing curve. The spectral density profile indicates density distribution across the entire color spectrum. With this information, the densitometric values of any spot color is automatically determined. The relevant measurement values are enlarged in the display and are thus easy to read.

Reference colors, e.g. of a color book, can be saved in the device's internal memory. Automatic color recognition ensures that the most approximate reference color is displayed.

This plus in performance has been obtained without an increase in weight. The compact dimensions, easy and quick operation and robust design are typical for the renowned **TECHKON** standard.



The **TECHKON TCS print control strips** are a sensible complement to the spectro-densitometer. The **TECHKON** programs **QS PRO** and **EXChange** provide users with a powerful tool for modern, computer-aided analysis of measurement data.

Technical Data	Spectro-Densitometer SD 620	
Measuring method	spectral measurement with monolithic grating-diode array	
Measuring functions	color density measurement according to DIN 16536 / ISO 5-3	
Density standards	density and density difference	
Measuring range	dot spread and dot gain	
Linearity	gray and color balance	
Repeatability	printing contrast	
	trapping (Preucil, Brunner, Ritz)	
	slur-factor	
	characteristic printing curve	
	spectral density curve	
	hue	
	grayness	
	DIN E, Status T, Status I,	
	free selection for any spot color	
	0.000 to 2.500 D; 0.0 to 100.0 %	
	± 0.01 D	
	± 0.01 D	
	(D 0.0 to 2.5 D 0.0 bis 2.0 for Yellow)	
	Spectral range	400 to 780 nm in 10 nm steps
	Measuring geometry	0° / 45°
	Measuring area	ø 3,2 mm
	Light source	gas-filled tungsten lamp, 2856 ± 100 K (Standard A)
	Polarization filters	in series, 2 x linear (optional without)
	Measuring time	approx. 1.5 s
	Display	High-Resolution LCD-Graphic Display
	Data interface	serial RS 232
	Power supply	rechargeable NiMH-batteries 8.4 V, 1200 mAh
	AC charger	charging station with AC adapter, 100-240 V, 47-63 Hz, controlled charging with capacity display and overcharge protection
	Charge cycle	< 4 hours
	Measurements	>10.000 per charge
	Dimension/Weight	HWL: 56 x 64 x 186 mm, 640 g

Specifications are subject to change without notice. © **TECHKON** 1999

TECHKON®

TECHKON GmbH

Wiesbadener Str. 27 • D-61462 Königstein/Germany

Phone ++49 (0)6174-92 44 50 • Fax ++49 (0)6174-92 44 99

E-Mail: info@techkon.com • <http://www.techkon.com>