Digital densitometers made by **ColorPartner** Germany

precise ■ reliable ■ simple ■ robust

Latest technology for less money

DigiDens T6R

B/W Densitometer
for films (transmission), paper and most printing plates (reflection).
The density range exceeds D 5.5 in transmission and 2.5 in reflection mode.
Density and percentage values are displayed simultaneously.

DigiDens T6RL

B/W Densitometer with light source
The light source table complements the DigiDens T6R to a precise table top densitometer for densities up to D = 6 with an excellent repeatability.
No more searching for a suitable light spot on your light tables.

DigiDens T6CR

Colour Densitometer
State of the art technology for a precise measurement of colour reflective media.
The density range is more than D = 2.5.
The repeatability is better than $D_{var} < \pm 0.01$.
The display values are switchable between density, percentages and differential values.
As a unique feature this colour densitometer can measure b/w films in transmission mode like the DigiDens T6R does.

ColorPartner GmbH

Now you can get more safety in prepress and printing for less money.

The **DigiDens TR** - new densitometer generation for a simple but precise measurement of densities and percentages in reflection and transmission mode: for shorter preparation and less waste...

for a brilliant printing result.

DigiDensTR - densitometers are compact, precise, of little power consumption and the 3 button interface is easy to operate. They contain a large display to show more information, and are robust, maintenance free, reliable and use long lasting light sources.
The DigiDens TR densitometers are battery (or accu) driven hand held measuring devices and fit almost into any pocket. The optional light stand LT6 converts the device into a precise table unit for an independent use from other light tables.
A serial interface RS232 to connect to any computer (PC, MAC ...) is optional.

M = Measurement
C = Calibration
P = On/Off
Further functions see Operating Instructions

Choose one for your needs:

DigiDens T6R as a hand held unit for b/w measurement. Measure up to more than density 5.5 (depending on the brightness of the light table you use) or percentages in transparent and reflective mode.
In both of those modes you see the density and the percentage simultaneously on the display to avoid annoying mode switching. In the parameter select mode you can modify parameters to adjust the device to your needs (e.g. Yule-Nielsen factor, slope...).

DigiDens T6RL as a table unit for high precision film measurements with an excellent repeatablility. The long lasting light source has an instant light stability (light tubes in light tables need about 20 minutes to supply constant light). The light source stand can be operated with AC-connection or internal accu.
Of course reflective media furthermore can be measured.

DigiDens T6CR as a hand held unit for colour reflective and b/w transparent media, e.g. to determine the densities and percentages on colour control patches of printed sheets or colour differences between different printing sheets. Transparent films can also be measured like with the T6R (a unique double functionality).
In the colour reflective mode 5 different display variations depending on your needs can be activated:
1. Display of the dominant colour, suitable for control field measurements in the pure printing colours cyan, magenta, yellow and black.
2. Display of percentages in the pure printing colours.
3. Display of all colour components (cyan, magenta, yellow, black) of the measured colour
4. Display of the differences per colour component related to a reference colour component previously measured and stored. This mode is used to compare the currently measured density component to a reference.
5. Display of a colour space distance value. This mode displays a value describing a distance dE in the CIE-Lab colour space between the reference colour and the current colour. The distance is an indicator for the similarity of these two colours. This measurement also can be done on mixed colours.

Display mode 1, 2 and 4 autoselect the dominant colour.

Technical data	DigiDens T6R	DigiDens T6RL	DigiDens T6CR
Density range b/w transparent	> 5,5 D	> 6 D	> 5,5 D
Repeatability density b/w transparent	± 0,01 D (D < 5)	± 0,005 D	± 0,01 D (D < 5)
Deviation percentage b/w tansparent	± 0,5 %	± 0,5 %	± 0,5 %
Density range b/w reflective	> 2,5 D	> 2,5 D	> 2,5 D
Repeatability density b/w reflective	± 0,01 D (D < 2)	± 0,01 D (D < 2)	± 0,01 D (D < 2)
Deviation percentage b/w reflective	± 0,5 %	± 0,5 %	± 0,5 %
Density colour reflective			> 2,5 D
Repeatability density colour reflective			± 0,01 D (D < 2)
Deviation percentage colour reflective			± 0,5 %
Polarization filter	–	–	linear
Number of measurements per battery set			
Transparent mode	ca. 200 000	ca. 200 000	ca. 200 000
Reflective mode	ca. 100 000	ca. 100 000	ca. 50 000
Type of batteries	3 x 1,5 V	3 x 1,5 V	3 x 1,5 V
Type of accus	3 x 1,2 V	3 x 1,2 V	3 x 1,2 V
Diameter measuring spot (mm)	2,5	2,5	2,5

Technical changes without notice