

DTP32TR AutoScan Farbdensitometer

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DTP32TR AutoScan color densitometer

- Measure T status, visual density according to ISO and the tone of films, polyester plates and proofing materials.
- Compatible with many third-party calibration programs

Automatic Strip Reading Densitometer for Calibration of Color Output Devices

The DTP32 provides calibration and quality control for PostScript® color copiers, color printers, color proofing and systems.

The calibration of any color output device will drift over time, causing color and fluctuations in screen values. Colors may vary due to changes in room temperature, humidity, or changes in paper, toner, or other automatic scanning densitometer materials. The DTP32 Ensures consistent, accurate color on every job.

Calibration Software Interface

The DTP32 interfaces directly with most calibration software through a direct cable link to a computer.

Simple, Step-By-Step Operation

- Output a calibration test print from a color printer or copier.
- Feed it through the car's DTP32 scanning mechanism.
- The DTP32 sends readings to the color density control software via serial interface.
- Within minutes, the printer is calibrated and ready to deliver accurate, consistent prints.

Features

- Is supported by a Majority of 3rd party software, RIP and printer manufacturers. Visit X-Rite's web site "Color Enabled" for information: www.x-rite.com/support/partners.asp
- Status T color response (the industry standard for wideband reflection densitometer).
- Interfaces with IBM-compatible Macintosh®, Sun, and SGI platforms.
- Fast, time-saving process - five calibration completes in under minutes.
- Optional DTP32TR offers transmission and reflection combination technology.
- Measures paper and film output.
- Small desktop footprint.
- Accessories included:
 - Calibration reference
 - Operation manual
 - PC / Mac interface cables
 - Power supply

Benefits

- Color consistency throughout a job and over time.
- Sharp, accurate, color.
- Predictable, repeatable results.
- Quality control of on-demand, including color proofing, large format and color prints.
- Fast, easy-to-use system
- No trial and error.
- Fewer service calls, lower overall costs.

Specification

Measuring Geometry

Reflection: by ANSI PH2.17/ISO 5/4

multi-sensor array

Optional Transmission: 2 per ANSI PH

19/ISO 5/2

Light Source

Gas pressure filament lamp with
approx. 2850 ° K color temp
Lamp life, approx. 1,000,000 scans @ 11 "

Receiver

Blue enhanced silicon photodiodes

System Response

ANSI / ISO Status T

Measurement Range

Reflection: 0.00d to 2.50D absolute
Transmission: 0.00 to 4.00d absolute

Repeatability

± 0.01D, 0 to 3.0D
± 1%, 3.0 to 4.0D

Linearity

± 0.01D or ± 1%, 0 to 3.5D
± 3%, 3.5 to 4.0D

Zero Stability

± 0.01D max

Calibration

Automatic w / QuickCal™

Measuring Area

2mm x 4mm, 2mm in the
direction of travel

Measuring Location

3.0 "from rightmost stop
Adjustable stops in .5 "increments
from .5 to 3.0 "
Fixed slot for up to 38mm film

Sample Characteristics

Thickness: 0.003 to .015 "
Size: Unit is open at one end and
can accept any size sheet Sun
long as it can be pulled evenly
through the unit.

Patch size: .400 "(10.16mm) in minutes.

direction of travel by .350 "min. wide
1mm wide 1.0D contrast space
between patches or .5 D min
difference between patches

Transport Speed

~ 1.2 "/ sec

Measurement rate

Adequate to measure patches.

4 "minimum in the direction of travel

Communication Interface / Protocol

(As described in the X-Rite DTP
RCI manual)

I / O port: (10 circuit modular jack)

Patented bi-directional RS-232 at

<_ 19.2k baud

Remote control: via standard X-Rite

DTP series RCI commands

This protocol Allows for RCI

downloading of custom measurement
strips and display data remotely,
calibration, and remote parameters
configuration.

Data format: Transmitted in Density,

+ Dot-Dot, or Reflectance. Output

has x10 capability.

Power Requirements

& Connection

+12 V @ 700ma

2 circuit jack with 03.05 plus tip using @

either SE30-61 (115V) or SE30-62

(230VAC) adapter

Physical

Dimensions

2.75 "H

7.2 "W

6.0 "D

Weight

large 5.0 lbs.

net lbs 2.5.

Environmental

Operating temp. range +10 ° to +35 ° C;

30% to 60% RH.

Storage temp. range

-40 ° to +60 ° C, 5% to 95% RH.

Accessories Provided

Calibration Reference

Operation Manual

PC & Mac interface cables

AC adapter

Either 115VAC (P / N SE30-61) or

230VAC (P / N SE30-62)

Optional Accessories

RCI Interface Manual

(P / N DTP32-506)

Models

DTP32R

Reflection only 115VAC

DTP32TR

Reflection / transmission 115VAC

DTP32RX

Reflection only 230VAC

DTP32TRX

Reflection / transmission 230VAC

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