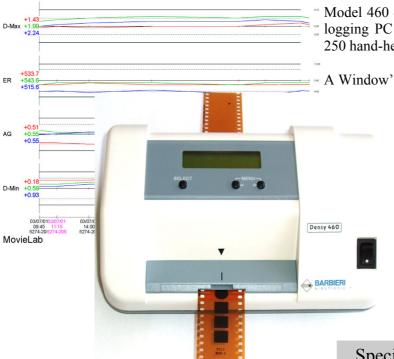
Densy 460

Automatic Strip-Reading Densitometer

for motion-picture process control

Photomec is proud to offer the Barbieri Densy 460 automatic transmission densitometer for motion-picture process control. Two models are available; the Model 460 T-M for Status-M measurements and the Model 460 T-A for Status-A measurements. Both models provide a calculated Visual reading as well as the measured R, G, B readings. They incorporate 16mm and 35mm film guides.



Model 460 densitometers are designed to be used with a datalogging PC and do not function as stand-alone units. (Densy 250 hand-held units are available for stand-alone use.)

A Window's driver is available to allow control strip data to be read directly in to many windows applications, such as Microsoft Excel and Microsoft Word.

For labs that require a ready-made process control solution we offer Windense software.

These units are configured to automatically recognise Kodak's Vision & Vision2 21-step process control strips as described in the 2-04 revision of Kodak Publication H24 Module 1. Optionally they may be programmed to recognise other strip types. Alternatively, strip recognition may be performed in the user's application software.

Strip Recognition:

The densitometer takes R,G,B density reading at intervals of approximately 0.75 mm. When Vision or Vision2 control strips are read and ECN-2 or ECP-2 setup is selected, the Densy 460 firmware selects the appropriate R,G,B readings for each of the 21 density steps and transmits these to the PC.

Alternatively, the Densy 460 may be set to output all of the readings to the PC (around 340 R,G,B triples for a typical 10"/25 cm strip). The user's PC application software may then interpret these and return the appropriate data for the particular strip type.

Specification:

Transmission measuring range: 0...4.00 D

Measuring aperture: 3 mm

Measuring filters:

ANSI Status M for Model 460 T-M ANSI Status A for Model 460 T-A

Accuracy: ±0.01 D up to 2.00 D, ±0.02 D over 2.00 D

Repeatability: ±0.01 D Resolution: 0.001 D

Transport speed: ~ 30 mm/sec

Measuring rate: ~ 40 measurements/sec

Interface: serial RS232C

Power supply: 100...240 V, 50/60 Hz Dimensions: 220 x 140 x 80 mm

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Densitometers

for image and track control

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Barbieri Densy 250E hand-held transmission densitometers offer an economical colour process control solution for motion-picture film laboratories. Two models are available: Model D250C02 for Status-M measurements and the Model D250C001 for Status-A measurements. Both models provide a calculated Visual reading as well as the measured R, G, B readings. A 35mm film guide is included as standard; an optional 16mm film guide is also available. Model 250E densitometers include a LCD display for standalone use and also have a serial RS232C connection for data logging.



Model D250C02 **Status-M Transmission**

A Window's driver is available to allow control strip data to be read directly in to many windows applications, such as Microsoft Excel and Microsoft Word.

For labs that require a ready-made process control solution we offer Windense software.



Model **D250C001 Status-A Transmission**

Specifications for Densy 250E:

Display: Density values

Transmission measuring range: 0...4.00 D

Measuring aperture: 3 mm

Measuring filters:

ANSI Status M for Model D250C02 ANSI Status A for Model D250C001

Accuracy: ± 0.01 D up to 2.00 D, ± 0.02 D over 2.00 D Repeatability: ± 0.005 up to 2.00 D, ± 0.01 D over 2.00 D

Interface: serial RS232C

Power Supply: 100...240 V, 50/60 Hz Dimensions: 130 x 80 x 60 mm Dimensions: 300 x 225 x 130 mm



Model D210E/IR **Track Densitometer**

The Densy 210E densitometer range includes units offering visual or IR measurements for analogue tracks.

A 0.5 mm x 3 mm aperture is provided as standard. Other apertures are available on special order.

Four different units are available covering visual, 800 nm, 900 nm and ortho responses.

Specifications for Densy 210E:

Display: Density values

Transmission measuring range: 0...5.00 D

Measuring aperture: 0.5 x 3 mm

Measuring filters:

Model D210B00: Visual Model D210B01: IR 900 nm Model D210B02: IR 800 nm

Model D210B06: Ortho - ISO type 2 printing density

Accuracy: ±0.01 D up to 2.00 D, ±0.02 D over 2.00 D

Repeatability: ± 0.01 D Interface: serial RS232C

Power Supply: 230V or 110 V, 50/60 Hz (specify on order)

Dimensions: 300 x 225 x 130 mm

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