



GEL DOCUMENTATION SYSTEM

GEL DOCUMENTATION SYSTEM LGD-200 SERIES

Labocon Gel Documentation System LGD-200 series are easy to operate with simple and intuitive software. They work with a computer under Windows operating system and computers can control cameras. They are ideal systems for researching environments with a large number of users and can satisfy the demanding requirements in the area of quantitative and qualitative analysis of electrophoresis gels.

Features

- ▶ Various choices of CCD camera
- ▶ Fully enclosed darkroom
- ▶ Fully automatic control panel of camera and illuminators
- ▶ Fully automatic control through software with PC
- ▶ Auto safe UV control system
- ▶ Build-in overhead LED white light
- ▶ Slide out UV Transilluminator
- ▶ Easy to change filter
- ▶ Powerful software with the function of capture, edit, analysis database
- ▶ CE certificated
- ▶ LGD-201 with 5.7-inch LCD display
- ▶ LGD-203 with built-in computer

Applications

Labocon Gel Documentation and Analysis System LGD-200 Series are used in molecular biology laboratories to detect DNA/RNA/Protein Gel, Blotting Membranes, Auto-Radiography Films, ELISA Plate, Thin Layer Chromatography Plate and Advanced Chemiluminescence / Fluorescence Applications.

Specifications

Model	LGDF-201	LGDF-202	LGDF-203
Camera	752 x 582 CCD	2592x 1944 CCD	1360 x 1024 CCD
Bit	10	12	
Panel	5.7 inch LCD	Membrane Key	12 inch LCD
PC	-		Built-in
Lens	6 x Motorized Zoom F1.0		
Darkroom	UV Safety, fully enclosed Camera		
Filter	Standard F590 filter with coating (contact for special requirement)		
Panel Control	Zoom, Focus, Iris and Illuminator		
UV Trans	Standard 21 x 26cm with 312nm (254/365nm)		
UV Reflect	Optional UV reflect with 312/254/365 nm		
White Reflect	Standard LED white light		
White Table	Optional 20 x 28cm white light plate		
Software	BioSens Gel Imaging System with database, analysis, image capture and image edit		
PC interface	BNC	USB 2.0	
SNR	56db	70db	70db
Dimension	410 x 430 x 560 mm		410 x 540 x 490 mm

Optional

- ▶ Reflect UV (254/312/365nm)
- ▶ White/Blue light trans plate
- ▶ Different kinds of filter
- ▶ Gel cutting protection cover
- ▶ Dual wavelength trans table



LGDF-201



LGDF-202



LGDF-203

Chemiluminescence system

It comes with scientific grade cooled CCD camera, and you can select different models for your precise needs.



Model	LGDC-201	LGDC-202	LGDC-203
Detector	8.8x6.6 mm Cooled CCD	12.49x9.99mm Cooled CCD	18.1x13.6 mm Cooled CCD
Pixel Size	4.54x4.54 um		5.5x5.5 um
Pixel Density	16 bit		
CCD Resolution	1940x1460	2750x2200	3296x2472
Camera Cooling	-60 °C ambient		
Cooling System	3 stage Peltier		
Dynamic Flat Fielding	1x1, 2x2, 4x4		
Lens	F 0.95 Quick Shot 4/3 in		
Illumination	Trans-UV, Epi-White, None (Epi-UV and Trans-Blue, Trans White are optional)	Epi-White	
Excitation Source	Trans-UV 312 nm as standard (254 nm and 365 nm is optional	Sample Tray	
Filter Wheel	6 positions (5 for fitters, 1 without)		
Filter	Standard F 590 (others for option)		
Size	430x430x620 mm		
Weight	32 kg		

LABOCON SCIENTIFIC LIMITED
18A Melton Road Leicester LE45EA
United Kingdom

 +44 203 3724850 |  info@labocon.com |  www.labocon.com