

## **Black and White Transmission Densitometer BGD DT-300**

### **Characteristic:**

LED Lighted Table, 5 steps of luminance and 2 areas for selection

High spot luminance, simplifies location of image areas to measure

Program Mode for custom calibration

The densitometer will remain in proper alignment even though it is picked up by the arm

Calibrated to AGFA film strips

Measuring Range: 0 - 6.0D, High Accuracy  $\pm 0.02$  D

No warm-up time

Soft Rubber probe head to protect films

PC Utility available (AUTO Recalibration and Add Logs using USB connect to PC)

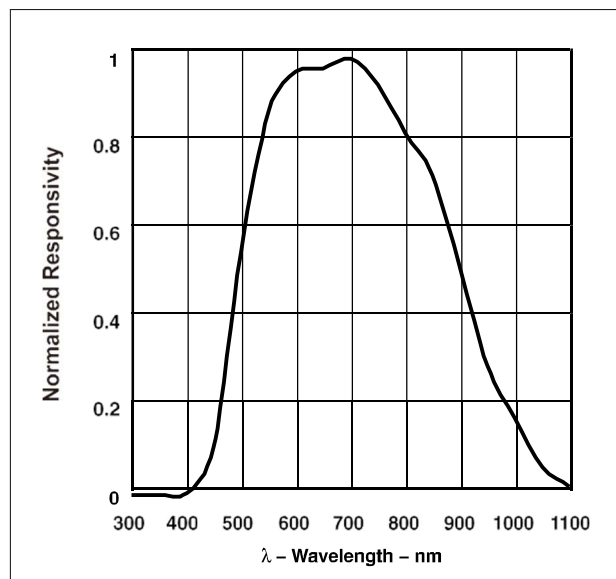
# Table Type Digital Densitometer BGD DT-300

## Technical Specifications:

Density: 0.00-6.00 D with 2mm,3mm aperture  
0.00-4.00D with 1mm aperture  
Probe Temperature compensated  
Display: 4 digit LED  
Accuracy:  $\pm 0.02$  D  
Resolution: 0.01D  
Repeatability: 0.01D  
Custom calibration range:-0.19 ~ +0.19D (Program Mode)  
Warm up time: No need  
Detector: Silicon photodiode  
Light source: LED  
Power supply: 90V-264V AC / 47-63Hz  
Dimensions: 360mm x 260mm x 120mm  
Weight: 1.7Kg

## Data for reference:

### PHOTODIODE SPECTRAL RESPONSIVITY



## PC Utility interface (use USB cable connect with PC):

The screenshot displays the 'Densitometer Communicator' software interface. It features a calibration table with 'REF' and 'Actual' values for 15 steps. A graph plots 'REF' (solid line), 'Actual' (dashed line), and 'After Fit' (dotted line) against step numbers. The 'After Fit' line closely follows the 'REF' line, indicating a successful fit. The interface also includes an 'Add Logs' table, a 'Setting' panel with a COM port selection, and a 'Connect' button. The software version is V1.0.

STEP:	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14
REF:	0.15	0.29	0.59	0.88	1.17	1.46	1.75	2.04	2.33	2.65	2.96	3.23	3.52	3.82	4.14
Actual:	0.15	0.3	0.62	0.92	1.22	1.53	1.83	2.12	2.43	2.75	3.05	3.33	3.62	3.93	4.26

ID	Density	Date	Remarks
0	0.04	2021/8/26 21:48:05	test1
1	0.04	2021/8/26 21:49:39	test2
3	-0.12	2021/8/26 21:49:45	

## Standard Components:

Main unit: 1  
Aperture: 3 (1mm, 2mm[default], 3mm)  
1m USB Cable  
Software TD Utility (English Version)  
Instruction manual (English): 1  
Test Report (English): 1

## Optional Components:

AGFA Density Strip, 15-step, certified

You can easily recalibrate your DT-300 with this utility, it fit to any density strips available in market.

\*Support WINDOWS Win7/Win8/Win10 X86/X64 and higher.