

# DT-300 PLUS

## DESKTOP DENSITOMETER



**LCNDT**®

[www.lcndt.net](http://www.lcndt.net)

## COMPREHENSIVE UPGRADE

- The main structure made of full aluminum alloy instead of plastic.
- More accurate, faster, and more stable readings due to structural upgrade.
- Added Real-time calibration function, more intuitive and convenient.
- The upgrade of the probe structure makes after-sales service more convenient.

### CHARACTERS:

- LED Lighted Table, 5 steps of luminance and 2 areas for selection
- High spot luminance, simplifies location of image areas to measure
- **Real-time for custom calibration**
- 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)

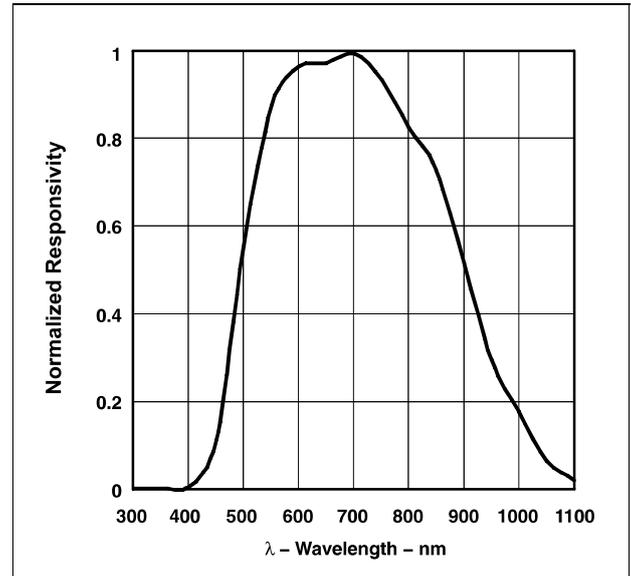
# Desktop Digital Densitometer DT-300 PLUS

## 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: 2.2Kg

## Data for reference:

### PHOTODIODE SPECTRAL RESPONSIVITY



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

The screenshot shows the 'Densitometer Communicator' software interface. It features a 'Calibration' section with a table of REF and Actual values for 15 steps. A 'Chart' displays a linear relationship between REF and Actual values, with a legend for REF (blue line), Actual (dashed line), and After Fit (red line). The 'Add Logs' section shows a table of calibration logs. The 'Setting' section includes a dropdown for 'Com' (COM3), a 'Connect' button, and an 'Export Excel' 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  
Aperature: 3 (1mm, 2mm[default], 3mm)  
1m USB Cable  
Software DT 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 PLUS with this utility, it fit to any density strips available in market.

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

# LCNDT

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