

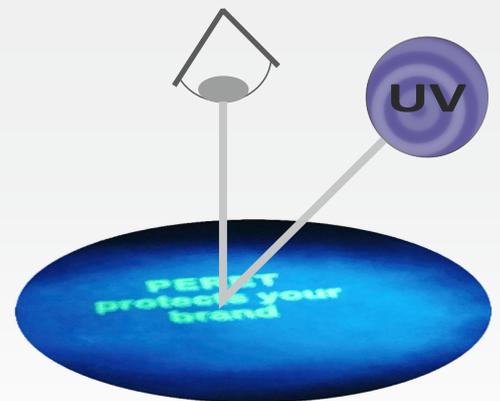
HIGH END SOLUTIONS for PREPRESS, PRINT and PACKAGING

FLUODX



FLUODX Fluorescence and Phosphorescence Colorimeter

Using invisible inks to protect your products against counterfeiting is a simple and effective way as you can create your own color combinations, your own screen rulings and screen types and your own layout. No scanner in the world will be able to copy what you design. The smaller the print tolerances you can produce, the more secure the proper element will be. The FLUODX is the ideal tool to support you in printing fluorescent or phosphorescent colors in a repeatable manner.



PERET GmbH/Srl
Forch Str. 6
39042 Vahrn, ITALY
www.peret.it info@peret.it

SECURITY PRINT 
PERET

FLUODX

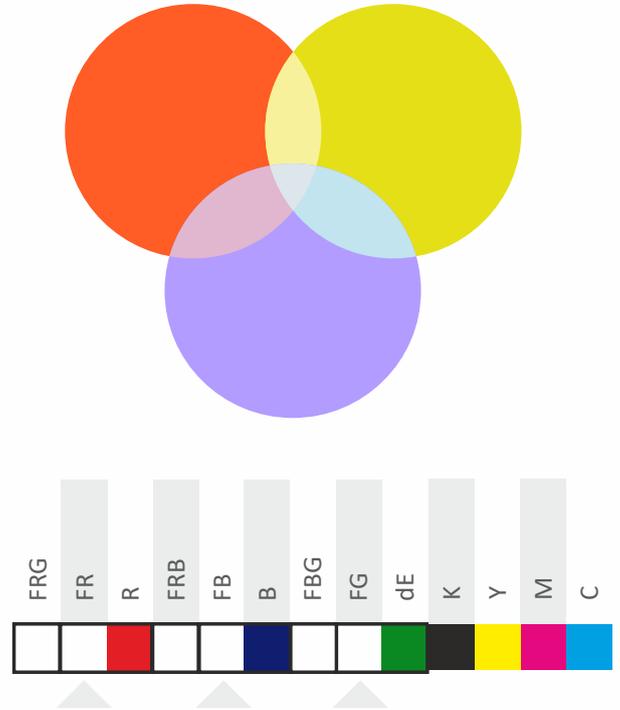
Fluorescence and Phosphorescence Colorimeter

FUNCTIONS

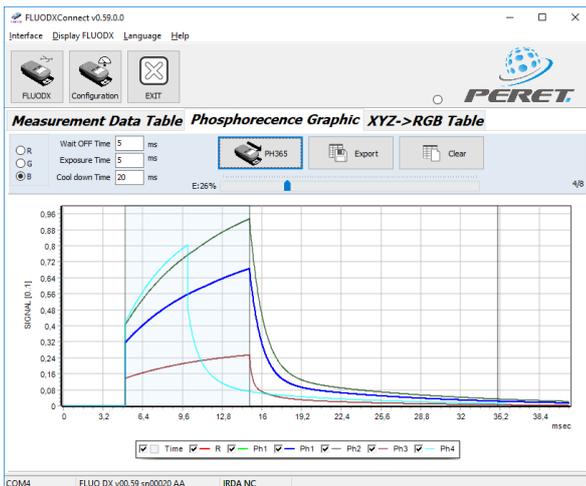
Measure F365 M Lab L = 98.0 a = 91.1 b = 58.5 n: 1	Measure P365B M Lab ET 50.00 ms DT 10.00 ms 7.0%E
Measure F365 M Lab x = 0.55 y = 0.33 orange n: 1	Measure P365B M Lab Int Ph Filter B 26.3% chg/dchg >74.6/ 23.2 ms PhI 50/20: 0.6/ 11.3 ms
Measure F256 M Lab Ratio F256/365 = 24% Hue = 285 °/ 287 ° blue/blue n: 1	Measure F365 M Int Reference R1 Filter R Value 103.7% n: 8
F365 R1 R AA0008 STAT	F365 R1 R AA0008 Average = 100.7% Max = 103.7% Min = 97.5% Tolerance 85%-115%

The easy to understand device user interface gives access to many measurement functions

DESIGN AND CONTROL



PHOSPHORESCENCE



Compare phosphorescence behaviour of various samples using the FLUODXConnect Software

FLUORESCENT COLOR

Color Space	Wavelength (nm)	X	Y	Z	x	y	L	a	b	C	h	Co	
RGB	77	255	93	189,49	295,63	133,87	0,31	0,48	150,49	-91,31	52,05	105,11	150,32
	255	255	78	253,93	284,78	114,28	0,39	0,44	148,42	-18,24	60,56	63,25	106,76
	255	19	26	160,39	95,88	33,70	0,55	0,33	98,38	99,40	48,84	110,75	26,17
	255	73	207	189,33	135,43	212,47	0,35	0,25	112,34	72,93	-52,84	90,06	324,08
	10	86	255	84,14	84,23	255,04	0,20	0,20	93,55	5,60	-102,44	102,59	273,13
	71	255	255	219,98	309,13	297,63	0,27	0,37	152,98	-70,13	-15,36	71,79	192,35
	255	255	202	263,15	287,64	232,47	0,34	0,37	148,97	-12,35	5,98	12,50	170,89
	0	0	0	0	0	0	0	0	0	0	0	0	0

Average:	194,333	213,239	183,740	0,344	0,349	129,303	-2,017	-1,016	79,411	177,613
Std.Dev:	60,934	102,551	92,235	0,110	0,099	36,720	69,454	60,939	34,361	99,619
Max:	263,070	309,130	297,630	0,550	0,480	152,980	99,400	60,560	110,750	324,080
Min:	84,140	84,230	33,700	0,200	0,200	93,550	-91,310	-102,440	12,540	26,170

Measure the visual color impression of various samples using the FLUODXConnect Software