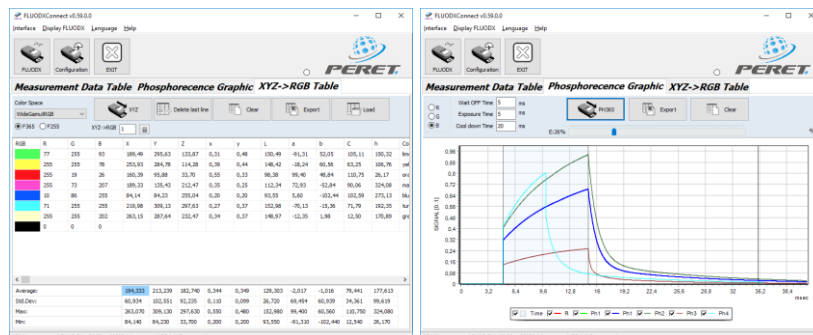


FLUO DX Datasheet



Background color codification

	Feature is not available and not upgradable
	Feature is available in a limited version. Feature can be upgraded from STANDARD to PRO
	Feature is available in this version

The version EASY can not be upgraded to a higher version.

The version STANDARD can be upgraded to version PRO at any point in time by purchasing the PRO license code.

Version	EASY	STANDARD	PRO
Hardware	Specification	Specification	Specification
Optical design	45° / 0°	45° / 0°	45° / 0°
Illumination	UV LED 365nm + Visual Cut Filter	UV LED 365nm + Visual Cut Filter	UV LED 365nm + Visual Cut Filter
Far UV Illumination	NO	UV LED 256nm	UV LED 256nm
Receiver	RGB + UV/IR-Cut Filter	RGB + UV/IR-Cut Filter	RGB + UV/IR-Cut Filter
Display	BW – E-Panel Graphical Display	BW – E-Panel Graphical Display	BW – E-Panel Graphical Display
Power Supply	4 x AA Batteries 1.5V	4 x AA Batteries 1.5V	4 x AA Batteries 1.5V
USB Communication Interface	USB 2.0 VCP bi-directional	USB 2.0 VCP bi-directional	USB 2.0 VCP bi-directional
IRDA Communication Interface	NO	IRDA -> USB 2.0 VCP unidirectional	IRDA -> USB 2.0 VCP unidirectional
IRDA Receiver		Optional	included
Internal memory to save measurements	100 Measurements	5000 Measurements	5000 Measurements
Pilot Led	YES	YES	YES
PASS/FAIL indicator	YES	YES	YES
Weight	1kg	1kg	1kg
Dimensions (LxWxH)	15cm x 7cm x 4cm	15cm x 7cm x 4cm	15cm x 7cm x 4cm
Measurement functions	EASY	STANDARD	PRO
Fluorescence Intensity			
Colors	R,G,B,W	R,G,B,W	R,G,B,W
Automatic unique MARK assessment per measurement	YES	YES	YES

Relative to Reference	YES	YES	YES
References	4	4	12
Customized reference names	NO	NO	YES (5 char)
Tolerance configuration	+Tol/-Tol	+Tol/-Tol	+Tol/-Tol
Absolute intensity in AU	NO	YES	YES
Average calculation / zone	NO	1..10	1..10
Measurements per sheet (Zones)	NO	1..20 – auto / predefined	1..20 – auto / predefined
Sheet statistic bar diagram	NO	YES	YES
Sheet statistic Average/Max/Min	NO	YES	YES
Colorimetry			
RGB	NO	YES	YES
XYZ	NO	YES	YES
xyL color name	NO	YES	YES
Lab	NO	YES	YES
LCh	NO	YES	YES
Delta E	NO	YES	YES
BiFl 256nm/365nm	NO	YES	YES
Phosphorescence Intensity			
Ph365F – signal in saturation after charging time	NO	YES	YES
Ph365 – residual signal after specified delay time	NO	YES	YES
Ph365Ind = relative residual signal after specified delay time =(100*Ph365F/Ph365)%	NO	YES	YES
Automatic unique MARK assessment per measurement	NO	YES	YES
Absolute in AU	NO	YES	YES
Relative to Reference	NO	YES	YES
References	0	4	12
Customized reference names	NO	NO	YES (5 char)
Average calculation / zone	NO	1..10	1..10
Measurements per sheet (Zones)	0	1..20	1..20
Sheet statistic graph	NO	YES	YES
Sheet statistic Average/Max/Min	NO	YES	YES
Sheet statistic bar diagram	NO	YES	YES
Sheet statistic Average/Max/Min	NO	YES	YES
Phosphorescence analysis			
Decay curve graph ET (Exposure time) DT(Cool down time) E%(Exposure energy)	NO	YES	YES
Int Ph % with filter R,G,B intensity measured after cool down time	NO	YES	YES

Estimated charging time until saturation in ms	NO	YES	YES
Estimated discharging time in ms	NO	YES	YES
Time to discharge to a specified level in ms	NO	2 levels	2 levels
UV-Dullness analysis			
UV-Dullness	NO	NO	Optional
FLUODXConnect Software	EASY	STANDARD	PRO
Interactive Help by Hints	Included	Included	Included
Data exchange			
Upload measurement data from FLUODX internal memory via USB	Included	Included	Included
Upload measurement data from FLUODX internal memory via IRDA	NO	Included	Included
Assign a LOT number to the uploaded data	NO	Included	Included
Export uploaded data	Tab delimited text file	Tab delimited text file	Tab delimited text file
Empty FLUODX memory	Included	Included	Included
Reset unique MARK counter	Included	Included	Included
PDF-Reports including graphs and data with customized company logo	NO	Optional	Included
FLUODX Device Configuration			
Enable / disable functions	NO	Included	included
Configure Fluorescence Intensity measurement parameters	NO	Included	included
Configure Phosphorescence Intensity measurement parameters	NO	2 configurations Included	2 configurations included
Configure Phosphorescence analysis parameters	NO	2 configurations Included	2 configurations included
Configure Fluorescence Intensity tolerances	+ Tol% / - Tol %	+ Tol% / - Tol %	+ Tol% / - Tol %
Configure Phosphorescence Intensity tolerances	NO	+ Tol% / - Tol %	+ Tol% / - Tol %
Configure xy tolerances for (W) white filter intensity measurement	+ Tol 0.001 / - Tol 0.001	+ Tol 0.001 / - Tol 0.001	+ Tol 0.001 / - Tol 0.001
Configure languages	Included	Included	included
FLUODX Software Configuration			
Select Software language	Included	Included	Included
Data output configuration	NO	Included	Included
Report layout configuration	NO	Optional	Included
User activity log – tracing operator actions	NO	Optional	Included
Password protection of software configuration	NO	Optional	Included
Database repair function	NO	Optional	Included
License manager	NO	Optional	Included

FLUODX Software Phosphorescence analysis			
Phosphorescence Graphic remote measurement execution • Filter • Wait off time • Exposure time • Cool down time	NO	Included	Included
FLUODX Software additional analyses			
XYZ-RGB Table remote measurement execution	NO	Included	Included
Transmission measurement	NO	Included	Included
FLUODX Software Database functions			
Database for references and tolerances	NO	Optional	Included
Job database to configure a set of reference for a job	NO	Optional	Included
Customer database	NO	Optional	Included
Measurement data database • Fluorescence Intensity • xyL • Phosphorescence Intensity • Lab With graphical display	NO	Optional	Included
Up-and download of references to and from the FLUODX	NO	Optional	Included
PDF-report of references currently in use in FLUODX	No	Optional	Included
FLUODX Software security Icon creator			
Fluorescent security Icon - TIFF creator	NO	Optional	Included
FLUODX Software Device Verification			
FLUODXTARGET	Optional	Optional	Optional
FLUODX verification report based on FLUODXTARGET	Optional	Optional	Optional

This data sheet provides a basic overview of the device, its software, and its features. It describes the current status and is subject to change.