



High Sensitivity Fluorescence & Reflective Measurement

Customizable to your needs

FluoSens Go

Flexible **plug-and-play** optical measurement solution for laboratories and test setups including software to operate the module.



FluoSens Integrated

Compact optical measurement platform **for OEM & Inline Integration.**



Gen 1.0



Gen 2.0

Housing	82 x 52 x 17.8 mm	71.5 x 47 x 17.8 mm	
LLOD	FAM: 210 pM HEX: 40 pM ROX: 370 pM Cy5: 420 pM	FAM: 210 pM HEX: 40 pM ROX: 370 pM Cy5: 420 pM	FAM: 80 pM HEX: 40 pM ROX: 50 pM Cy5: 80 pM
Dynamic Range	200 pM – 0. 8 μM	200 pM – 0. 8 μM	100 pM – 0. 8 μM
	adjustable to individual ranges within the dynamic range window		
Sampling Rate	100 samples per second		
Electrical Interface	Mini-USB / M12	10-pin ribbon cable	
Communication Protocol	TTL / RS232 / RS485		
Mounting Interface	6 mm cage support rods	M3 threads	



Technology That Fits Your Application

*Fast *Precise *Simple *Sensitive *Compact

Our detectors set the benchmark in optical measurement technology, delivering unmatched precision and sensitivity in both fluorescence and reflective detection. Each detector is engineered to simultaneously detect two wavelength combinations (i.e., two dyes) across the full spectrum from UV to IR (320 nm – 980 nm), with standard combinations including:

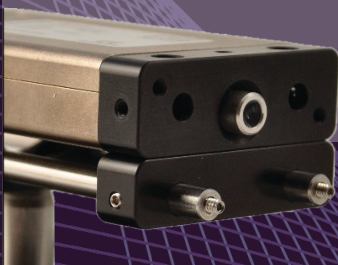
- Excitation: 470 nm / Detection: 520 nm (FAM)
- Excitation: 520 nm / Detection: 570 nm (HEX)
- Excitation: 565 nm / Detection: 625 nm (ROX)
- Excitation: 625 nm / Detection: 680 nm (Cy5)
- Excitation: 365 nm / Detection: 460 nm (UV fluorescence)
- Excitation: 365 nm / Detection: 625 nm (Europium)



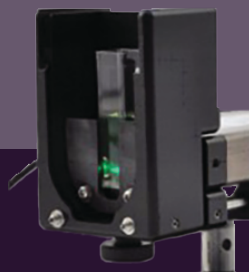
Furthermore, the detectors can be customized on specific wavelengths, according to your needs. We also support our customers with the integration of FluoSens Integrated into their devices. Please contact us with your requirements at customer@dermagnostix.com.

Accessories

Horizontal Carriage



Cuvette Holder



PCR Tube Holder



Furthermore, all our detectors come with an USB adapter and access to the software FL digital.

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