

Model :

**XMFM-A10**



## Fluorometer

## Features :

- Designed with 4.3 inch touch screen, small and easy to use
- Easy measurement within 3 sec for DNA, RNA, and protein
- High sensitivity lowest DNA detection limit is 0.5 pg/ul
- Linear dynamic range with five orders of magnitude
- Equipped with two fluorescence channels for nucleic acid, protein
- quantitation in one detection
- Offers opening system
- Adopts PCR tube adapter
- It can save at most 1,000 data and output data by USB port

## Overview

Fluorometer XMFM-A10 is the next generation of benchtop dual-channel Fluorometer, features  $365 \pm 20$  nm and  $460 \pm 20$  nm excitation filter and measures dsDNA concentration with high sensitivity lower DNA detection limit of 0.5 ng/ul. It offers UV and blue channel fluorescence to measure fluorescence intensity of fluorescent reagent that combines with target molecule to read concentration of sample. Designed to accurately detect high-sensitive fluorescence while quantifying DNA, RNA, and protein.

## Specifications :

Dynamic range	Five orders of magnitude
Linear dynamic range	$R^2 > 0.995$
Processing time	3s (Once)
Light source	UV LED Blue LED

Excitation filters	365 ± 20 nm 460 ± 20 nm
Emission filters	420 to 480 nm (60 nm) 525 to 570 nm (45 nm)
Detector	Photodiode
Repeatability	<1.5 %
Stability	<1.5 %
Sensitivity	ds DNA: 0.5 ng/ml
Dimension	194 × 155 × 72.5 mm
Weight	0.4 kg

### Applications :

Fluorometer is used for processing scarce and difficult samples, for low quantity of DNA, RNA, or protein after extraction, also, in expensive experiments: q PCR, PCR cloning, transfection, the next generation sequencing and etc. Applied for Nucleic acid quantification, Plant GUS reporter gene detection, Apoptosis detection.

### Standard Accessories :

Accessories no.	Name
1	Adapter for 0.5ml qPCR tube

### Optional Accessories :

Accessories no.	Name
1	Adapter for 0.2ml qPCR tube

**XENOMECH ANALYTICAL INSTRUMENTS PVT.LTD.**

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