

## FLUOROMETER

### GENAXY Fluo-100 Series

The fluorometer measure the fluorescence intensity of the fluorescent reagent which combine with the target molecule to read the concentration of sample. The sensitivity of Nano series products are above 5ng/μl, and while the fluorometer is 0.5pg/μl in measuring DNA concentration. It is important and necessary for the most applications to read the lower and accuracy concentration of the sample.

#### Applications :

1. The sample is scarce and difficult in processing
2. The low quantity of DNA, RNA, or protein after extraction
3. The sample will be used in the expensive experiments: qPCR, PCR cloning, transfection, the next generations sequencing and etc.

### Features

- ❖ Simple – 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 0.5pg/μl
- ❖ Two optical channels – Equipped with two fluorescence channels for nucleic acid, protein quantitation in one detection
- ❖ Linear Dynamic Range--Five orders of magnitude.
- ❖ Opening system--You can match the instrument with the reagent you choose
- ❖ It can save at most 1,000 data and output data by USB port
- ❖ Adapter: 0.5ml qPCR tube adapter 0.2ml qPCR tube adapter



Catalog No	Light	Excitation Filters	Emission Filters
GEN-Fluo-100A	UV	365±20nm	420-480nm (60nm)
	Blue	460±20nm	525-570nm (45nm)
GEN-Fluo-100B	Blue	460±20nm	525-570nm (45nm)
	Red	625±10nm	670-725nm (55nm)
GEN-Fluo-100C	Blue	460±20nm	525-570nm (45nm)
	Green	525±20nm	575-640nm (65nm)

### Technical Specification

Light Source	LED
Dynamic Range	Five Orders Of Magnitude
Linear Dynamic Range	R >0.995
Detector	Photodiode
Repeatability	<1.5%
Sensitivity	dsDNA: 0.5ng/ml
Measurement Speed	3s (Once)
Dimension (W × D × H) mm	194×155×72.5 mm
Weight (kg)	0.4Kg

### Accessories

Code	Description
AS-18011-01	Adapter for 0.5ml qPCR tube (Standard)
AS-18011-02	Adapter for 0.2ml qPCR tube (Options)

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