

TGem One Fluorometer

- Your good assistant for nucleic acid concentration quantification

Product introduction

TGem One Fluorometer is a compact, lightweight instrument for sample quantification. For quantification of DNA & RNA & protein samples. Can be used in experiments with high sensitivity, high specificity and high precision measurements. Product features.

Versatile assay applications

- Absolute quantification of DNA/RNA/Protein samples with detection reagents

Micro-detection, fast and convenient high sensitivity

- Minimum 1 μ l of sample can be used, saving precious samples.
- Rapid detection, rapid detection of samples within 5 sec
- High sensitivity, down to 0.1 $\text{pg}/\mu\text{l}$, helps to detect rare samples.
- 7-inch ultra-sensitive touch screen with clear interface delineation, clear and convenient operation.



Convenient and humanized auxiliary performance

- Powerful data storage for up to 10,000 samples or external USB.
- Data can be exported to an external USB port or printed on an external printer.
- Built-in calculator for easy calculation of dilution concentration, sample volume, etc.

Performance parameters

Cat. No.	OSE-FM-01
Light source	Blue & red
Excitation filter	Blue: 470 \pm 20 nm
	Red: 625 \pm 20 nm
Emission filter	Green: 525-570 nm
	Red: 670-725 nm
Detectors	Photodiode
Flux	1
Sample tube type	0.5 ml transparent single tube
Linear	$R^2 \geq 0.995$

Sensitivity	$\leq 0.1 \text{ pg}/\mu\text{l}$
Test time	$\leq 5 \text{ sec}$
Input power supply	24V 2A
Power adapter	100-240V, 50-60Hz
External interface	USB (Type A) \times 2/PC, LAN
Display	7-inch touch screen
Instrument dimension (D \times W \times H)	286 mm \times 161 mm \times 61 mm
Instrument weight	1.5 kg
Data storage capacity	10,000 programs

Performance parameters

Cat. No.	Product name
OSR-F101-01	dsDNA High Sensitivity Assay Kit (100 preps)
OSR-F101-02	dsDNA High Sensitivity Assay Kit (500 preps)