

# Fluorometer

(NIN/ST/12/Fluorometer/2017-18/7483)

## Specifications:

### Physical characteristics

- Instrument type: Benchtop fluorometer
- Instrument dimensions: 5.4 in (w) × 10 in (l) × 2.2 in (h) (13.6 cm × 25 cm × 5.5 cm); rectangular shape Weight: 26.2 oz (743 g)
- Operating power: 100–240 VAC, 1.0 A/1.2 A
- Frequency: 50/60 Hz
- Electrical input: 12 VDC, 2.5 A
- Installation site: Indoor use only
- Operating temperature: 10–40°C
- Operating humidity: 20–80% (non-condensing)

### Technical specifications

- Dynamic range: 5 orders of magnitude
- Processing time: ≤5 seconds/sample
- Light sources: Blue LED (max ~470 nm) Red LED (max ~635 nm)
- Excitation filters: Blue 430–495 nm Red 600–645 nm
- Emission filters: Green 510–580 nm Red 665–720 nm
- Detectors: Photodiodes; measurement capability from 300–1000 nm
- Calibration type: 2- or 3-point standard
- Tube type: 0.5-mL Real Time PCR (polypropylene) tubes
- Warm-up time: <35 seconds
- **USB : 4 GIGA BYTE**