

# Microplate Reader MR-3800



## Description

Microplate Reader MR-3800 has professional software and 3 vibrational linear plate functions for laboratory application. Standard accessories for use with standard 96, and 384 wells plates.

Covers the full wavelength range 400 to 1000 nm and measured as quickly as 6 second per well. Can stored up to 200 groups program and 10000 sample result, more than 10 types of curve fitting equation.

Maintain all important measuring parameters including Endpoint method, kinetic method, inhibition rate, single or dual wavelength measurement function. The built-in multi filter wheel make detection of multiple luminescence wavelengths possible.

## Technical:

|                        |                                                                                          |                                                       |              |                |              |                                                       |              |
|------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------|--------------|----------------|--------------|-------------------------------------------------------|--------------|
| Model                  | MR-3200                                                                                  | MR-3400                                               |              | MR-3600        |              | MR-3800                                               |              |
| Wavelength             | 400 to 1000 nm                                                                           | 400 to 1000 nm(340 to 1100 nm)                        |              |                |              | 400 to 1000 nm                                        |              |
| Optical Path           | 8-channels                                                                               |                                                       |              |                |              |                                                       |              |
| Light source           | Tungsten Halogen Lamp(22W)                                                               |                                                       |              |                |              |                                                       |              |
| Optical filter         | 10 filters(<br>Default<br>configuration<br>405,450,492,63<br>0 nm)                       | 12 filters( Default configuration 405,450,492,630 nm) |              |                |              | 15 filters( Default configuration 405,450,492,630 nm) |              |
| Accuracy               | ±0.01 Abs                                                                                |                                                       |              |                |              |                                                       |              |
| Repeatability          | 0.3%                                                                                     |                                                       |              |                |              |                                                       |              |
| Resolution             | 0.001 Abs                                                                                |                                                       |              |                |              |                                                       |              |
| Display                | 7-inch LCD                                                                               | 8-inch LCD                                            |              |                |              | Rotating Display 10.4-inch LCD                        |              |
| Reading Range          | 0 to 4 Abs                                                                               |                                                       |              |                |              | 0 to 6 Abs                                            |              |
| Linear Range           | 0 to 3 Abs                                                                               |                                                       |              |                |              | 0 to 4 Abs                                            |              |
| Stability              | -                                                                                        | ±0.003 Abs                                            |              |                |              |                                                       |              |
| Vibration Plate        | -                                                                                        | 3 types of linear plate(adjustable 0 to 4 hours)      |              |                |              |                                                       |              |
| Analysis software      | Professional software                                                                    |                                                       |              |                |              |                                                       |              |
| Storage                | 200 groups program and 10000 sample result, more than 10 types of curve fitting equation |                                                       |              |                |              |                                                       |              |
| Function               | Endpoint method, kinetic method, inhibition rate, single or dual wavelength measurement  |                                                       |              |                |              |                                                       |              |
| Interface              | Wi-Fi                                                                                    |                                                       |              |                |              |                                                       |              |
| Input Power            |                                                                                          |                                                       |              |                |              |                                                       |              |
| Dimensions             | 400x260x200 mm                                                                           | 444x320x318 mm                                        |              | 444x320x190 mm |              | 444x320x220/400 mm                                    |              |
| Weight                 | 6 kg                                                                                     | 11 kg                                                 |              | 10 kg          |              | 11 kg                                                 |              |
| Electrical Requirement | DC12V 5A                                                                                 | AC 100/50 Hz                                          | AC 240/60 Hz | AC 100/50 Hz   | AC 240/60 Hz | AC 100/50 Hz                                          | AC 240/60 Hz |
| Catalogue No.          | 4202005-04                                                                               | 420201001                                             | 420201002    | 420201501      | 420201502    | 420202001                                             | 420202002    |

|                         |                       |
|-------------------------|-----------------------|
| <b>Shipping:</b>        | 2 - 3 weeks Delivery. |
| <b>residual_volume:</b> | -                     |
| <b>volume:</b>          | -                     |

|                    |                          |
|--------------------|--------------------------|
| <b>model_type:</b> | 96, and 384 wells plates |
| <b>power:</b>      | -                        |
| <b>resolution:</b> | 0.001 Abs                |
| <b>wavelength:</b> | 400 to 1000 nm           |
| <b>capacity:</b>   | -                        |
| <b>model:</b>      | MR-3800                  |

## **Iris Analytical Ltd.**

66 W Flagler St #900  
Miami, Florida 33130  
United States