



BIS SHAKERS™

The Next Generation of Shakers

Microplate Shaker

FEATURES

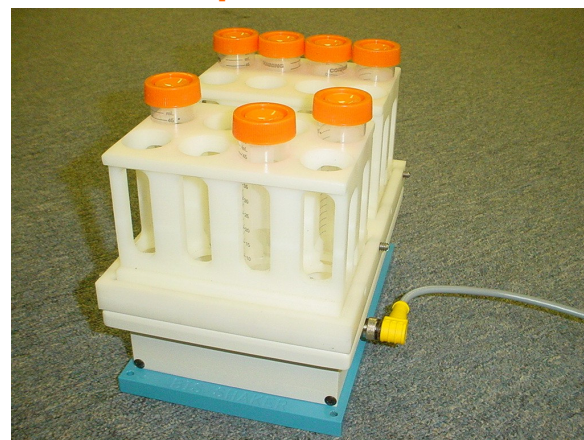
- Microplate Footprint
- RS 232 Communication Port
- Automation Friendly
- Compatible with microplates, optimized for 384 well plates
- 24 VDC operation (integrated units)
- GUI for stand-alone operation with heaters and other external devices
- Full integration with liquid handling devices

APPLICATIONS

- Dissolution Assays
- Plasmid Purification
- Magnetic Bead Assays



Microplate Shaker



Test Tube Shaker

Test Tube Shaker

FEATURES

- Compact Footprint
- RS 232 Communication Port
- Automation Friendly
- Compatible with Test tubes and Vials
- 24 VDC operation (integrated units)
- GUI for stand-alone operation with heaters and other external devices
- Full integration with liquid handling devices

APPLICATIONS

- Dissolution Assays
- Plasmid Purification
- Magnetic Bead Assays




Bio Integrated Solutions Inc
331 South Eisenhower Lane # A, Lombard IL 60148
(847) 712-3085 ; (847) 202-1047 (FAX)
www.biointsol.com



Empowering BioTechnology™

RS 232 Communications Protocol with “Auto Detect”

BIS Microplate Orbital Shaker



Set Parameters

5 Seconds
Set Acceleration
500 RPM
Set Velocity

☒ CW Rotation
☐ CCW Rotation
Set Direction
Find Home
☒ Index After Stopping
Enable
☒ Status Text Auto-Send

Motion Commands

Go
Stop
Find Home

Get Product Info

Read Product Type
Get Serial #
Get Software Version #

Get Values

Acceleration
Velocity
Current Velocity
Measured Speed
Get Text Status

Diagnostic Tests

Random Cycling
Shaft Sensor
Set Top RPM

Alternating Speeds

Speed #1

1 Acceleration
500 RPM
10 Delay Secs
☒ CW Rotation
☐ CCW Rotation

Speed #2

1 Acceleration
3500 RPM
1 Delay Secs
☒ CW Rotation
☐ CCW Rotation

Number of Cycles 1
Begin Cycling

Your RS232 Port for Shakers

☐ Port 1 disabled/nonexistent
☐ Port 2 disabled/nonexistent
☒ Comm Port 3
☐ Port 4 disabled/nonexistent
☐ Port 5 disabled/nonexistent
☐ Comm Port 6
☐ Port 7 disabled/nonexistent
☐ Port 8 disabled/nonexistent

Auto-Find Shakers

Software Version 1.0

Instrument Configuration	Bis Microplate Shaker™	Bis Test Tube Shaker™
Dimensions W x D x H	5.500" x 3.500" x 1.500" (140.0 mm x 90.0 mm x 40.0 mm)	5.500" x 8.000" x 5.500" (140.0 mm x 203.0 mm x 140.0 mm)
Power Supply	24 VDC, 180 mA. for integrated units Stand-Alone Units 100 – 240 VAC 50 – 60 Hz	24 VDC, 180 mA. Stand-Alone Units 100 – 240 VAC 50 – 60 Hz
Orbital Motion	2 mm diameter, circular shape, constant everywhere on well plate	4 mm diameter, circular shape, constant everywhere on well plate
Material	Aluminum, nickel plated, stainless steel hardware, white polyethylene clips	Aluminum, nickel plated, stainless steel hardware, white polyethylene clips
Weight	2 lbs	5 lbs
Regulatory Standard	Compliance with CE/CSA	Compliance with CE/CSA
Pricing Information	OEM Packages Available (847) 712-3085; info@biointsol.com	OEM Packages Available (847) 712-3085; info@biointsol.com

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