

Platypus Jar Tester

Operations and designer tools to assess the physical and chemical treatment of surface and ground waters.



Test Scope:

- coagulants, polymers, alkalinity treatment
- metals oxidation
- settlement rates
- pre-treatment for flotation tests
- reaction kinetics
- mixing and flocculation power evaluation
- metal residuals

World Class Product

- modern technology, functionality and presentation relevant European,
- US and AS/NZ EMC test certification

Independent Mixing Stations

- programmable speed and time settings for each of three flocculation stages - at each station

Advanced Backlighting

- ice white backlighting to observe floc development, settling rates and supernatant clarity

Digitally controlled, easy to operate

- LED speed, time, alarm and status displays
- three programmable flocculation stages
- independently programmable duration and speed for each flocculation stage
- paddle speed is not inferred. Paddle speed settings are Hall Effect speed controlled to set point - notwithstanding commonly experienced water temperature variations/viscosity and paddle type and size
- tactile membrane decals



Square Jars

- durable, clear polycarbonate materials
- injection moulded; easy to clean fillets at the Jar floor, walls and corners
- anti-slip top lips for safe handling in wet environments
- square jar geometry for emulation of plant conditions
- 1L or 2L Jars with or without supernatant sample taps

1L Jar

2L Jar

2L Jar with sample tap

Velocity Gradient Tables:

- Velocity gradient translation Tables provide bench test correlation of Jar mixing energy under variable water temperature, paddle type and size to determine optimum plant velocity gradient requirements
- Better bench test emulation of plant flocculation conditions - facilitates accurate determination of optimum plant flocculation power

Safe Operation In Wet Environments:

- low voltage internal power
- splash proof membrane decals

Quiet

- low noise power transmission belts



Platypus Jar Tester Carry Case

- Internal foam cradle protection
- Internally recessed retractable handle
- Twin core fluted PP walls
- Heavy duty wheels

Clip-On Polycarbonate Paddles

- small, large, butterfly radial and axial flow paddles
- easy to clean
- emulate plant flocculation conditions
- select paddle to suit velocity gradients



Axial Paddle



Butterfly Paddle

15VDC External Power Supply:

- AS/NZS CISPR 11 (C tick)
- UL 1950 (safety)
- EN 60950 (safety)
- EN 55022 Class B (EMC)
- EN 61000 series (EMC), CE – relevant as below

EMC Test Certification:

- FCC Part 15 Subpart B Class B
- AS/NZS CISPR 11 (C tick)
- EN 61326 (emissions and immunity)
- EN 61000-4-2 (ESD)
- EN 61000-4-3 (Radiated field)
- EN 61000-4-4 (EFT/Burst)
- EN 61000-4-5 (Surge)
- EN 61000-4-6 (Conducted RF)
- EN 61000-4-8 (Magnetic field)
- EN 61000-4-11 (Voltage dips)
- EN 61000-3-2 (Harmonics)
- EN 61000-3-3 (Flicker)
- CE

Part Numbers:

- 4GJT - 4G Platypus Jar Tester without jars
- 4GJT1L - 4G Platypus Jar Tester with 1L jars
- 4GJT2L - 4G Platypus Jar Tester with 2L jars
- 4GJT2LT - 4G Platypus Jar Tester with 2L jars & taps
- 4GJ1 - 1L jar
- 4GJ2 - 2L jar
- 4GJ2T - 2L jar with sample tap
- 4GDC - Vinyl dust cover, water resistant
- 4GCC - Platypus Jar Tester Carry Case

www.platypusjartester.com

info@platypusjartester.com