

ViVitro Labs offer a wide variety of accessories and complementary equipment to support our products and your laboratory. The following list includes the most requested items for the ViVitro HiCycle, however we do offer additional products and can provide customizations to meet any needs. Please contact us by email at info@vivotrolabs.com to discuss your specific requirements.

Stroboscope



ViVitro offers a compact, battery-operated stroboscope to view devices while undergoing cycling. This rechargeable handheld system allows for easy mobility to tester throughout the lab. The stroboscope also provides fast and accurate cycle per minute measurements to verify cycle rates.

- Compact, battery-operated stroboscope provides fast accurate rpm measurements without contact.
- User adjustable flash rates
- Push buttons rapidly increase (x2) or decrease ($\div 2$) flash rate
- Phase Shift feature allows user to advance or retard flash timing by degrees of angle, without changing actual fpm
- 8 character x 2-line alphanumeric LCD display
- Continuous display update
- Crystal oscillator timebase
- External trigger (0 to 5V TTL) and clock output
- One-hand operation for right- or left-handed operators
- Removable battery with built-in charge
- Includes AC adapter and extra flash bulb

SPECIFICATIONS:

Flash Range:	40.0 to 12,500 fpm (flashes per minute)
Speed Range:	40 to 59,000 rpm
Resolution:	0.1 fpm: 100 to 9,999 fpm; 1 fpm: 10,000 to 12,500 fpm
Accuracy:	± 0.5 fpm/rpm or $\pm 0.01\%$ of reading, whichever is greater
Power Supply:	NiMh rechargeable battery
Weight:	1 lb 7 oz (650g)

HiCycle Cart



A specifically designed dedicated cart for the ViVitro HiCycle and controller (shown with cart in image on the right) which makes the unit portable while also providing a comfortable working height. The ViVitro HiCycle Cart has locking castors, height adjustment for pressure post, plus locating pin and quick release fasteners for turning the HiCycle in place.

Making device testing simpler, faster and more reliable.



Products



Laboratory Services



Custom Software



Advanced Engineering



Consulting Services

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Digital Differential Manometer

Made by Meriam



Highly recommended, this pressure reference digital manometer offers convenient calibration of pressure transducers, bringing high precision to handheld, digital manometer users.

- Accuracy: + 0.05% FS or optional + 0.025% F.S.
- No temperature effect from 23° to 122° F (-5° to +50° C).
- Certifications - Ex ia IIC T4, Class I, Div.1 Groups A,B,C,D, T4
- Engineering Units - Inches of H2O (select 4° C, 20° C, or 60° F), PSI, mm of Hg, inches of Hg, mBars, Bars, kPa, kg/cm2, cm of H2O and user selectable scaling.
- Media Compatibility - DN: Non-isolated differential sensor for clean, dry, non-corrosive gases. GI & AI: Isolated Gauge or Absolute sensor for fluids compatible with 316L SS.
- Pressure Limits - Twice range on Gauge and Absolute (Gland AI) units. Twice range on Differential (DN) units when pressurized on high side only and 150 PSI (10.5 Kg/cm2) static when applied to both sides of the sensor simultaneously.
- Leak Test - Allows users to view Min/Max pressure values and calculates leak rate per minute in pressure units. The feature is very handy when troubleshooting or pressure testing pneumatic systems.
- Auto Record - Document up to 240 readings (automatically or manually) to reduce paperwork and field time. Saved readings can be recalled at any time.
- Damping Rates - Exponential damping with user selectable time constant from 0.1 to 25 seconds.
- Min/Max Capture - Capture speed is equal to the selected damping rate.
- The M2 series can be recalibrated in the field for zero, span, and linearity. The user has the option to select a 1 point or 5 point calibration procedure. Enables users with accurate primary standards to calibrate their devices locally if desired.
- Auto Shut-Off
- User selectable shut-off. Programmable at 10, 20, 30, 45, 60 minutes.
- Provided with three transducer manifold

ViVitro products are manufactured in an ISO 13485 facility and meet applicable CE marking directives.

One year **Warranty** on all products



For further information please contact us:
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