

USB INTERFACE FOR ACTIVITY WHEEL MONITOR (AWM) SYSTEMS USER INSTRUCTIONS



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Lafayette Instrument AWM Expander Interface

Description:

This Activity Wheel Monitor USB Interface Model 86056A may be used with Activity Wheel Counters 86060 and 86061, as well as with Model 86070 Counter/Controller. It replaces both the 86056 Serial Starter Interface and the 86057 Serial Expansion Interface. Both Serial and USB units are supported by AWM Software Version 7.1 and higher. Connect up to 15 wheel counters to a single interface and up to 8 interface units to a single computer with high-speed USB ports. Any powered USB hub may be used as needed. The maximum data collection capacity of the AWM Software is 120 wheels. The Model 86065 AWM Software package must be ordered separately. Upgrade pricing is available to existing users of older software.

Specifications:

Power:	12 V DC Supply (included)
Number of Counters:	15 Six pin modular connectors
Dimensions:	3.9" x 9.0" x 1.6"
Weight:	1.6 lbs.



Operating Instructions:

1. Connect any combination of 86060, 86061, and 86070's to the 86056A Interface with standard 6 pin modular cables. This cable is supplied with the 86061 and 86070 counters, but must be ordered separately for the 86060 Counter.
2. The jack that the counters are connected to defines the address for the counter in the software. Additional ID's may be added in the AWM Software to identify and simplify data reduction.
3. Connect the high-speed USB cable (supplied) from the interface box to the computer.
4. Connect the plug from the power supply to the 86056A power jack and plug the supply into the wall.
5. After all of the physical connections are made, turn on the 86056A power switch. A green LED indicator should come on. A software feature will flash this light when necessary to locate a specific interface out of a group. For details refer to the Tools section of the software manual.
6. When powered on, the 86056A provides power to all of the counters. If the battery backup of the 86060 counter is being used, you must leave the interface power turned on as long as the 86060 is connected or the interface will drain power from the counter batteries.
7. The AWM Software will automatically detected a powered interface when the software is first opened. Refer to the software manual for all details concerning hardware configuration, data collection, and experiment design.

Notes:

Ordering Information:

All phone orders must be accompanied by a hard copy of your order. All must include the following information:

- 1) Complete billing and shipping addresses
- 2) Name and department of end user
- 3) Model number and description of desired item(s)
- 4) Quantity of each item desired
- 5) Purchase order number or method of payment
- 6) Telephone number

DOMESTIC TERMS

There is a \$50 minimum order. Open accounts can be extended to most recognized educational institutions, hospitals and government agencies. Net amount due 30 days from the date of shipment. Enclose payment with the order; charge with VISA, MasterCard; or pay COD. We must have a hard copy of your order by mail or fax. Students, individuals and private companies may call for a credit application.

INTERNATIONAL PAYMENT INFORMATION

There is a \$50 minimum order. Payment must be made in advance by: draft drawn on a major US bank; wire transfer to our account; charge with VISA, MasterCard; or confirmed irrevocable letter of credit. Proforma invoices will be provided upon request.

RETURNS

Equipment may not be returned without first receiving a Return Goods Authorization Number (RGA).

When returning equipment for service, please call Lafayette Instrument to receive a RGA number. Your RGA number will be good for 30 days. Address the shipment to: Lafayette Instrument Company, 3700 Sagamore Parkway North, Lafayette, IN 47904, U.S.A. Shipments cannot be received at the PO Box. The items should be packed well, insured for full value, and returned along with a cover letter explaining the malfunction.

Please also state the name of the Lafayette Instrument representative authorizing the return. An estimate of repair will be given prior to completion ONLY if requested in your enclosed cover letter. We must have a hard copy of your purchase order by mail or fax, or repair work cannot commence.

WARRANTY

Lafayette Instrument guarantees its equipment against all defects in materials and workmanship to the ORIGINAL PURCHASER for a period of one (1) year from the date of shipment, unless otherwise stated. During this period, Lafayette Instrument will repair or replace, at its option, any equipment found to be defective in materials or workmanship. If a problem arises, please contact our office for prior authorization before returning the item. This warranty does not extend to damaged equipment resulting from alteration, misuse, negligence or abuse, normal wear or accident. In no event shall Lafayette Instrument be liable for incidental or consequential damages. There are no implied warranties or merchantability of fitness for a particular use, or of any other nature. Warranty period for repairs or used equipment purchased from Lafayette Instrument is 90 days.

DAMAGED GOODS

Damaged equipment should not be returned to Lafayette Instrument prior to thorough inspection.

When a shipment arrives damaged, note damage on delivery bill and have the driver sign it to acknowledge the damage. Contact the delivery service, and they will file an insurance claim. When damage is not detected at the time of delivery, contact the carrier and request an inspection within 10 days of the original delivery. Please call the Lafayette Instrument Customer Service Department for a return authorization for repair or replacement of the damaged merchandise.



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