

# LAFAYETTE INSTRUMENT AWM EXPANDER INTERFACE

Model 86057 User's Manual

Model 86057

## 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, American Express; 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, American Express; 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.

# AWM EXPANDER INTERFACE USER INSTRUCTIONS



3700 Sagamore Parkway North  
P.O. Box 5729 • Lafayette, IN 47903 USA  
Tel: 765.423.1505 • 800.428.7545  
Fax: 765.423.4111  
E-mail: [info@lafayetteinstrument.com](mailto:info@lafayetteinstrument.com)  
[www.lafayetteinstrument.com](http://www.lafayetteinstrument.com)

**Lafayette Instrument Co. Europe**  
4 Park Road, Sileby,  
Loughborough, Leics., LE12 7TJ. UK.  
Tel: +44 (0)1509 817700  
Fax: +44 (0)1509 817701  
E-mail: [EUsales@lafayetteinstrument.com](mailto:EUsales@lafayetteinstrument.com)



3700 Sagamore Parkway North  
P.O. Box 5729 • Lafayette, IN 47903 USA  
Tel: 765.423.1505 • 800.428.7545  
Fax: 765.423.4111  
E-mail: [info@lafayetteinstrument.com](mailto:info@lafayetteinstrument.com)  
[www.lafayetteinstrument.com](http://www.lafayetteinstrument.com)

## Description:

The Model 86057 Expander Interface provides a computer connection for up to 15 Model 80830, Model 86060 or Model 86061 activity wheel counters. The Model 86057 connects to the counters through 6 pin modular cables and to the computer through connection to the Model 86056 Starter Interface. Up to 7 Expander Interfaces can be connected to the Starter Interface to handle a maximum of 120 counters.

## Specifications:

<b>Power:</b>	12 VDC Supply
<b>Number of counters:</b>	15
<b>External Interface:</b>	RS-232C interface to computer through 86056 interface 19200 baud, no parity, 8 data bits, 1 stop bit

## Operating Instructions:

1. Connect the activity wheel counters (Models 80830, 86060 or 86061) to the Expander Interface modular jacks using the modular cables. It is recommended that the counters be connected in sequential jacks beginning with one. This will allow the software to avoid delays in reading the counter information.
2. The jack that the counters are connected to defines the address for the counter in the software.
3. Connect the Expander Interface to the Starter Interface through the 15-pin serial connectors. The connections between these two interfaces can be direct or through an optional cable. If more than one Expander Interface is used, connect each additional Expander Interface to the previous Expander Interface.
4. After all of the physical connections are made, turn on power to the Expander Interface.
5. Refer to the software instructions for the Activity Wheel Monitor System for operation.

**Warning:** The Starter Interface must remain powered on by the external power supply while any counter is connected. The Starter Interface will steal power from the counter batteries if the Starter Interface is not being powered by the external power supply.

DRA 8/21/01

## Notes: