

## Warranty & Limitation of Liability

Fluke product is warranted to be free from defects in material and workmanship under normal use and service. The warranty period is one year and begins on the date of shipment. Parts, product repairs and services are warranted for 90 days. This warranty extends only to the original buyer or end-user or reseller of a Fluke authorized reseller, and does not apply to fuses, disposable batteries or to any product in Fluke's opinion, has been misused, altered, neglected or damaged by accident or abnormal conditions of operation or handling. Fluke warrants that software will operate substantially in accordance with functional specifications for 90 days and that it has been properly recorded on non-defective media. Fluke does not warrant that software will be error free or operate without interruption.

Authorized resellers shall extend this warranty on new and unused products to end-user customers only and have no authority to extend a greater or different warranty on behalf of Fluke. Warranty support is available only if the product is purchased through a Fluke authorized sales outlet or Buyer has paid the applicable international freight. Fluke reserves the right to invoice Buyer for importation costs of repair/replacement parts when product is shipped in one country is submitted for repair in another country.

The warranty obligation is limited, at Fluke's option, to refund of the purchase price, free of charge repair, or replacement of a defective product which is returned to a Fluke authorized service center within the warranty period.

To obtain warranty service, contact your nearest Fluke authorized service center or send the product, with a statement of the difficulty, postage and insurance prepaid (FOB Destination), to the nearest Fluke authorized service center. Fluke assumes no risk for damage in transit. Following warranty repair, the product will be shipped to Buyer, transportation prepaid (FOB Destination). If Fluke determines that the failure was caused by misuse, alteration, accident or abnormal condition of operation or handling, Fluke will provide an estimate of costs and obtain authorization before commencing the work. Following repair, the product will be shipped to the Buyer transportation prepaid and the Buyer will be billed for the repair and return transportation costs (FOB Shipping Point).

THIS WARRANTY IS BUYER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. FLUKE SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, INCLUDING LOSS OF DATA, WHETHER ARISING FROM BREACH OF WARRANTY OR BASED ON CONTRACT, NEGLIGENCE, RELIANCE OR ANY OTHER THEORY.

In some countries or states do not allow limitation of the term of an implied warranty, or exclusion or limitation of incidental or consequential damages, the limitations and exclusions of this warranty may not apply to you. If any provision of this Warranty is held invalid or unenforceable by a court of competent jurisdiction, such holding will not affect the validity or enforceability of any other provision.

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## Service Centers

To locate an authorized service center, visit us on the World Wide Web:

**www.fluke.com**

Fluke using any of the phone numbers listed below:

|            |                      |
|------------|----------------------|
| 8-993-5853 | in USA and Canada    |
| 0-2675-200 | in Europe            |
| 5-446-5500 | from other countries |

# FLUKE®

## GPS 430

### GPS Synchronization Module

### Instruction Sheet

### Introducing the GPS 430

The GPS 430 GPS Synchronization Module guarantees that the time clock uncertainty of the Fluke 430 series Power Quality Analyzers does not exceed  $\pm 20$  ms for 50 Hz signals, according to IEC 61000-4-30.

This performance is necessary to ensure that Class A instruments produce the same 10 minutes aggregation results when connected to the same signal. The GPS 430 can only be used on the Fluke 430 series Power Quality Analyzers.

**Note:** The GPS system is operated by the government of the United States, which is solely responsible for its accuracy and maintenance.

### Unpacking

The following items should be included in the package:

- PM9080 Optically Isolated Interface Cable (Fig. 1)
- PM8907/808 Power Adapter (Fig. 2)
- GPS 430 Unit (Fig. 3)
- Instruction Sheet GPS 430 (this paper)

Check the contents of the shipping box for completeness. If something in the box has been damaged or missing, contact your distributor or the nearest FLUKE sales or service office immediately.

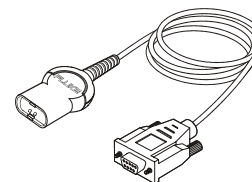


Fig. 1. PM9080

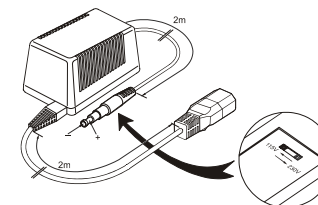


Fig. 2. PM8907

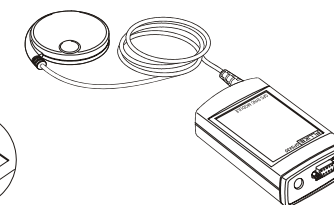
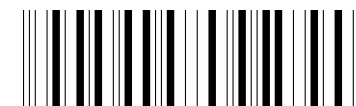


Fig. 3. GPS 430

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## Using the GPS 430

Connect the PM8907 power adapter output to the GPS 430 power input.

Check the preselected voltage setting on the PM8907/808, see the PM8907/808 instructions below.

Connect the PM8907 to the line voltage.

Connect the PM9080 Optical Interface Cable to the GPS 430 and to the Power Quality Analyzer.

Verify that the GPS 430 data are received by the Power Quality Analyzer:  
Select SETUP – TIME – GPS TEST. See also the Power Quality Analyzer Users Manual.

*For proper reception, the GPS antenna should not be covered by metal.*

## PM8907/808 Instructions

Read these instructions carefully before using the Power Adapter.

### Caution

When you connect the PM8907/808 to the local line, first check the preselected voltage on this unit. You can find the voltage selector switch on the bottom of the PM8907/808. If necessary, select the corresponding line voltage with the slide switch to ensure that the proper voltage is visible in the window of the slide selector. (see Figure 1.)

For connection to the mains outlet, use a power cord that complies with national standards.

Reverse the polarity 5-mm power jack; the outer contact is plus (+) polarity.

Do not open the PM8907, it is not serviceable.

## PM8907/808 Specifications

- Universal switchable adapter 115V  $\pm 10\%$  or 230V  $\pm 15\%$ , with plug EN60320-2.2G
- Line frequency: 50, 60, and 400 Hz  $\pm 10\%$ .
- Output voltage: 15V.
- Output current: 300 mA.
- Power consumption: 7W maximum.
- Output plug: 5-mm power jack per DIN 45232.
- Plus (+) voltage connected to outer contact of the 5-mm power jack.

## Symbols

International electrical symbols used are explained below.

|                                                                                     |                                          |
|-------------------------------------------------------------------------------------|------------------------------------------|
|  | See explanation on Instruction Sheet     |
|  | DOUBLE INSULATION (Protection Class)     |
|  | Conforms to relevant European standards. |
|  | UL Listed                                |