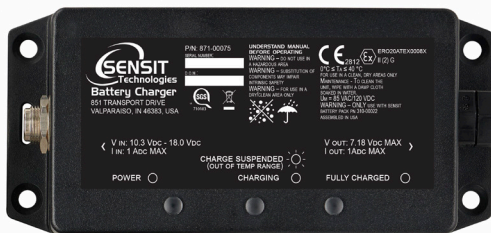


# INSTRUCTION MANUAL

## SENSIT<sup>®</sup> BATTERY CHARGER



P/N: 871-00075



ERO20ATEX0008X  
II (2) G




Read and understand  
instructions before use.





851 Transport Drive • Valparaiso, IN 46383 (USA)  
Phone: 219.465.2700 • [www.gasleaksensors.com](http://www.gasleaksensors.com)


# WARNINGS


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 **WARNING:** Charger shall only be used in a non-hazardous area.

 **WARNING:** Use only SENSIT Charger (871-00075) for PowerStick (310-00022)

 **WARNING:** Charge only in a temperature range of 0° to 40° C (32° to 104° F).

 **WARNING:** To prevent risk of ignition of a flammable atmosphere, battery pack must only be charged in an area known to be non-hazardous.

 **WARNING:** Charger must be used and stored in a clean, dry area.

The appliance is not to be used by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

Only use the detachable power supply unit supplied by SENSIT Technologies (PhoHong, PN PSAC12R-120).

The house symbol on the power supply, indicates “for indoor use only”.

## POWERSTICK (310-00022)

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### INSTALLATION / REPLACEMENT

**⚠ WARNING:** Intrinsically Safe for Use in Class I, Groups C and D, T3 Hazardous Locations when used in a SENSIT Technologies Gas Leak Detector 911-00000-XX.

**⚠ WARNING:** Use only SENSIT Charger (871-00075).

**⚠ WARNING:** Charge only in a temperature range of 0° to 40° C (32° to 104° F).

**⚠ WARNING:** To prevent risk of ignition of a flammable atmosphere, battery pack must only be charged in an area known to be non-hazardous.

**⚠ WARNING:** To prevent ignition of a flammable or combustible atmosphere, disconnect power before servicing.

**⚠ WARNING:** Charging must be done in a dry/dust free environment.

**⚠ WARNING:** Inspect vent cover of the PowerStick for damage or separation from the housing. If any damage is observed or separation, the PowerStick must be removed from service.

**⚠ WARNING:** To reduce the risk of ignition of a flammable atmosphere, battery pack must only be changed in an area known to be non-flammable.

## POWERSTICK (310-00022)

## INSTALLATION

## Positive Side

## Negative Side



Recharging the PowerStick is necessary when the display icon displays an empty battery silhouette and flashes a countdown timer in seconds indicating the maximum time before instrument shut down. This can be done while the PowerStick is installed in the instrument or independently.

Remove the battery sleeve cover by removing the retaining screw (#10 Torx). Depressing the locking tab on the front of the handle with a coin or flat object and pull the handle away from the top or display area of the instrument.

With the charging port facing up, insert the negative side of the PowerStick at an angle, from the top side while in a downward motion, until the positive side makes a connection.

Replace the battery sleeve and allow the locking tab to snap into position. Replace and secure the retaining screw. Check to be sure the handle is secure to the instrument body by firmly pulling the handle away.

**NOTE:** Battery sleeve and screw **MUST** be installed before use in a hazardous environment.

# POWERSTICK

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## REMOVAL

Remove the battery sleeve cover by removing the retaining screw (#10 Torx). Depressing the locking tab on the front of the handle with a coin or flat object and pull the handle away from the top or display area of the instrument.

To remove the powerstick, push in the upward direction from the bottom side of the battery compartment until the positive clears the plastic housing. Slide out at an angle to clear the battery sleeve tab and remove.

## POWERSTICK CHARGING



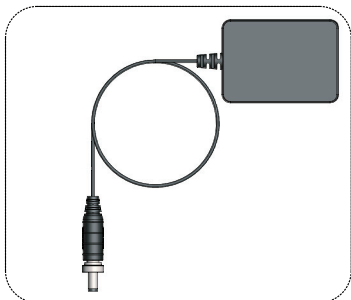
# POWERSTICK CHARGING

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Intrinsic Safety Control Drawing DWG. # 750-00089-DWG

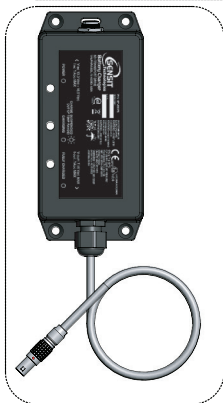
## AD/DC Adapter Assembly:

- \* Mfg pn: PhiHong PSAC12R-120
- \* SENSIT PN:
  - 871-00077 (International adapters)
  - 871-00078 (North American adapter)
- \* Input: 100-240VAC, 0.5A, 50/60Hz
- \* Output: 12VDC



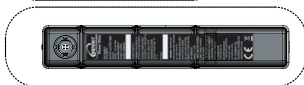
## SENSIT Battery Charger:

- \* SENSIT PN: 871-00075



## SENSIT PowerStick:

- \* SENSIT PN: 310-00022



# POWERSTICK CHARGING

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**⚠ WARNING:** Use only SENSIT Charger (871-00075).

**⚠ WARNING:** To prevent risk of ignition of a flammable atmosphere, battery pack must only be charged in an area known to be non-hazardous.

**⚠ WARNING:** Charging must be done in a dry/dust free environment.

**⚠ WARNING:** Charge only in a temperature range of 0° to 40° C (32° to 104° F).

Locate the “Red” indexing tab on both the charger plug and the PowerStick jack. Align and plug in until it locks in and a red or green light activates on the charger. The light scheme is represented below.

YELLOW (solid) = Power Connected to Charger

RED (solid) = Charging

RED (blinking) = Charge Suspended  
(outside allowable charging temperature range)

GREEN (solid) = Fully Charged

Once charging is complete (typically <6 hours), remove the charger plug by sliding the collar of the plug away from the PowerStick to disengage the locking mechanism. Reinstall the battery sleeve and retaining screw.

[illegible]



[illegible]

[illegible]

## **EU WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT (WEEE) DIRECTIVE**

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In August of 2005, the European Union (EU) implemented the EU WEEE Directive 2002/96/EC and later the WEEE Recast Directive 2012/19/EU requiring Producers of electronic and electrical equipment (EEE) to manage and finance the collection, reuse, recycling and to appropriately treat WEEE that the Producer places on the EU market after August 13, 2005. The goal of this directive is to minimize the volume of electrical and electronic waste disposal and to encourage re-use and recycling at the end of life.

Sensit Technologies LLC has met its national obligations to the EU WEEE Directive. Sensit Technologies LLC has also elected to join WEEE Compliance Schemes in some countries to help manage customer returns at end-of-life. If you have purchased Sensit Technologies LLC branded electrical or electronic products in the EU and are intending to discard these products at the end of their useful life, please do not dispose of them with your other household or municipal waste. Sensit Technologies LLC has labeled its branded electronic products with the WEEE Symbol (figure above) to alert our customers that products bearing this label should not be disposed of in a landfill or with municipal or household waste in the EU.

# WARRANTY

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Your **SENSIT® Battery Charger** is warranted to be free from defects in materials and workmanship for a period of one year after purchase. If within the warranty period, your charger should become inoperative from such defects, the unit will be repaired or replaced at our option.

This warranty covers normal use and does not cover damage which occurs in shipment or failure which results from alteration, tampering, accident, misuse, abuse, neglect or improper maintenance. Proof of purchase may be required before warranty is rendered. Chargers out of warranty will be repaired for a service charge. Internal repair or maintenance must be completed by a SENSIT Technologies authorized technician. Violation will void warranty. Units must be returned postpaid, insured and to the attention of the Service Dept. for warranty or repair.

This warranty gives you specific legal rights and you may have other rights which vary from state to state.

SENSIT Technologies  
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Valparaiso, IN 46383 USA

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888 4 SENSIT (473-6748)  
Fax: (219) 465-2701

**MADE IN THE USA**  
WITH GLOBALLY SOURCED COMPONENTS

SENSIT Battery Charger Instruction Manual  
DWG. # 750-00089-DWG  
Part # 750-00089

Revision 6-26-2020