

SENSIT[®] GOLD G3

BATTERY CHARGING STATION

OPERATION MANUAL

READ AND UNDERSTAND INSTRUCTIONS BEFORE USE.

P/N: 871-00079



SENSIT[®] GOLD G3 BATTERY CHARGING STATION OPERATION MANUAL

P/N: 750-00093

Revision: 2021-11-16



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FOR YOUR SAFETY

SENSIT® GOLD G3 BATTERY CHARGING STATION (871-00079)

- ⚠ WARNING:** Charging Station shall only be used in a non-hazardous area.
- ⚠ WARNING:** Use only SENSIT GOLD G3 Charging Station (871-00079) with the SENSIT GOLD G3 Rechargeable Battery (310-00034).
- ⚠ WARNING:** Do not use with any non-rechargeable batteries.
- ⚠ 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:** Charging Station must be used and stored in a clean, dry area.
- ⚠ WARNING:** This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensor, or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
- ⚠ WARNING:** Cleaning and user maintenance shall not be made by children without supervision.
- ⚠ WARNING:** Only use the detachable power supply provided by SENSIT Technologies (Globtek WR9QE1500LCP-NM(R6B), Model GTM96180-1817.9-5.9).
- ⚠ WARNING:** For indoor use only.
- ⚠ WARNING:** Children should be supervised to ensure that they do not play with the appliance.

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RECHARGEABLE BATTERY CHARGING STATION

DESCRIPTION

The SENSIT GOLD G3 Rechargeable Battery Charging Station is used for recharging the SENSIT GOLD G3 Rechargeable Battery (310-00034). The SENSIT GOLD G3 Rechargeable Battery (310-00034) contains four Lithium-Ion batteries, with a nominal capacity for the complete battery pack of 14 A-Hr.

SPECIFICATIONS/RATINGS

PARAMETER	VALUE
Input Voltage	12 VDC
Input Current	2 ADC Max
Nominal Output Voltage	4.2 VDC
Maximum Output Voltage	6.68 VDC
Output Current	1.8 ADC Max
Operating Temperature	0-40 °C

LABELS AND MARKINGS



SENSIT® GOLD G3 BATTERY CHARGER
 ELECTRICAL INFORMATION
 V in: 12 Vdc I in: 2 Adc MAX
 NOMINAL V out: 4.2 Vdc
 MAXIMUM V out: 6.68 Vdc
 I out: 1.8 Adc MAX
 Assembled in USA
 P/N: 871-00079
 SENSIT Technologies 851 Transport Drive Valparaiso, IN 46383, USA

LED INDICATORS

POWER
 PLUGGED IN ○

STATUS
 SUSPENDED (OUT OF TEM RANGE) ○
 CHARGING ○

COMPLETED
 FULLY CHARGED ○

P/N: 871-00079 SERIAL NUMBER:

 D.O.M.:

SGS 770000

0°C ≤ Ta ≤ 40 °C
 Um = 85 vac / 120 vdc

WARNINGS

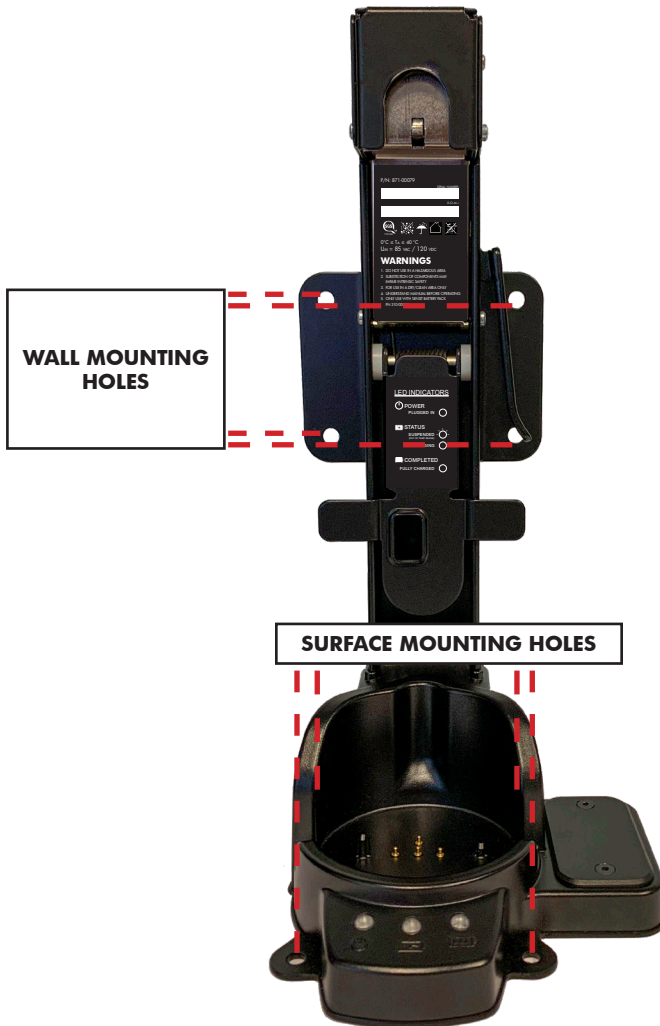
- DO NOT USE IN A HAZARDOUS AREA
- SUBSTITUTION OF COMPONENTS MAY IMPAIR INTRINSIC SAFETY
- FOR USE IN A DRY/CLEAN AREA ONLY
- UNDERSTAND MANUAL BEFORE OPERATING
- ONLY USE WITH SENSIT BATTERY PACK PN 310-00039

INSTALLATION

The SENSIT GOLD G3 Rechargeable Battery Charging Station should only be installed in an office, vehicle, or commercial space (e.g., service stations).

The Charging Station can be freestanding or mounted to a wall or a horizontal surface. The mounting holes for vertical and horizontal mounting is show in the figure below.

The “Wall Mounting Holes” are nominally 6 mm in diameter; a M5 or #10 screw should be used. The “Surface Mounting Holes” are nominally 5 mm; a M4 or #8 screw should be used. Possible walls include wood, drywall, and concrete. Possible surfaces include wood, concrete, and metal. Make sure to use proper mounting hardware suitable for the mounting wall/surface. For vehicles and caravans, make sure to have custom mounting hardware to ensure proper securement.



When installed in caravans or vehicles, the connection to the supply mains is to be in accordance with national wiring standards.

SETUP

Upon receiving the Charging Station, remove the Power Supply and SENSIT GOLD G3 Charging Station (871-00079) from the packaging with which the unit was shipped.

1. Inspect the Power Supply and supply cord. If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.
2. Plug the Power Supply (vehicle or wall) into the appropriate power source.
3. Plug the male connector on the Power Supply into the threaded receptacle on the left side (with serial label facing you) of the Charging Station
4. Tighten the nut on the male connector of the Power Supply until hand tight.

INDICATOR LIGHT CONFIGURATION

YELLOW:	Power connected to Charging Station
RED (solid):	Charging
RED (blinking):	Charge suspended (Outside allowable temperature)
GREEN (solid):	Fully charged

BATTERY CHARGING: INSTALLED IN INSTRUMENT

1. Make sure the YELLOW power light is lit on the front face of the charging station (PN: 871-00079). This indicates power is connected to the charger, and it is ready for charging.
2. Angle the G3 slightly and place the bottom of it into charging station.
3. Push the G3 forward into the charging station until the locking mechanism latches. A click should be heard, and the latch on the right side of the G3 should pop outwards.
4. The RED light should light be solid on the front face of the charger. This indicates the instrument is charging. Once charging is complete, the red light will turn off and the green light will turn on, typically <10 hours. To remove the battery:
 - a. Lift the External Charging Latch.
 - b. Remove the battery.

BATTERY CHARGING: STAND-ALONE

1. Make sure the YELLOW power light is lit on the front face of the charging station (PN: 871-00079). This indicates power is connected to the charger, and it is ready for charging.
2. Lift the External Charging Latch.
3. Place the bottom of the G3 battery (SENSIT PN: 310-00034) into charging station so that the connector on the top of the battery is on the left (with respect to the front of the charger).
4. Lower the External Charging Latch such that the cutout fits around the connector at the top of the battery pack.
5. The RED light should light be solid on the front face of the charger. This indicates the instrument is charging. Once charging is complete, the red light will turn off and the green light will turn on, typically <10 hours. To remove the battery:
 - a. Lift the External Charging Latch.
 - b. Remove the battery.

MAINTENANCE AND SERVICE

Inspect the device whenever the device is uninstalled, and reinstalled at a new location, or once every 6 months.

If the supply cord is damaged, it must be replaced by a special cord or assembly available from the manufacturer or its service agent.

To clean the unit, wipe with a damp cloth soaked in water.

WARRANTY

Your SENSIT® GOLD G3 Battery Charging Station is warranted to be free from defects in materials and workmanship for a period of two years after purchase. The circuit board is warranted for 5 years. If within the warranty period, your instrument 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. Units 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.

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**SENSIT® GOLD G3 BATTERY CHARGING STATION
OPERATION MANUAL (ENGLISH)**

P/N: 750-00093

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MADE IN THE USA
WITH GLOBALLY SOURCED COMPONENTS