

# USB Powered Battery Charger for Sensidyne Air Sampling Products

This manual replaces the charger specific sections of the GilAir BDx-II, GilAir 3, GilAir 5, LFS-113, Gilibrator-2 and Gilibrator Operator's Manuals. Please refer to your operator's manual for Copyright, Trademark, License and Proprietary notices.

### Operational Summary:

The charger provides a constant current charge. Charge time is 15 hours and a trickle charge follows to keep the battery pack at top charge indefinitely.

When power is applied a sequence of flashes will detail the charger type.

While connected to USB power, the indicator shows a brief red flash every two seconds as it looks for a battery to be connected. When the charger is plugged into a battery or pump, the red indicator becomes continuous and charge is provided for 15 hours to completely charge the battery. After the charge cycle is complete the indicator changes to continuous green and a trickle current is provided indefinitely.

When the charger detects the battery has been disconnected, it returns to waiting for a battery to be connected. If the battery is disconnected or power removed, the charger will restart the charge when reconnected or repowered.

### Power Requirements:

The charger receives power from a USB charging port through a micro B connector. The standard USB charging port can supply 500mA which is sufficient for all charging modes.

Sensidyne supplies an AC Adapter that provides proper power to the charger. Other power supplies, computer USB power, or cell phone chargers may be utilized if they supply the necessary 500mA needed to power the charger.

If insufficient power is available from the power source, charging will stop and there will be a fast flashing red indicator.

### Charger Status Indications:

Indicator	Description
Brief red flash at 2 sec interval	Powered, waiting for battery to be attached
Fast red flash off/on once per sec	Error (Low supply voltage or shorted battery)
Continuous red	Charging
Continuous green	Charge complete, trickle charge rate

### Model Information:

Part Number	Current	Timing	Connector	Supported Products
615-0601-01-R	194mA	Timed 15 hr	3-Pin	BDX-II
615-9904-01-R	194mA	Timed 15 hr	3-Pin	GilAir 3, GilAir 5, HFS-513
615-0302-01-R	64mA	Timed 15 hr	2.5 Barrel	LFS-113
615-0501-01-R	194mA	Timed 15 hr	2.1 Barrel	Gilibrator-2
615-0502-01-R	64mA	Continuous	2.5 Barrel	Gilibrator

### Parts List:

Part Number	Description
811-0601-01-R	Replacement USB Charger, BDx-II
811-9922-01-R	Replacement USB Charger, GilAir 3 & GilAir 5
811-0303-01-R	Replacement USB Charger, LFS-113
811-0504-01-R	Replacement USB Charger, Gilibrator-2
811-0505-01-R	Replacement USB Charger, Gilibrator
911-0601-US-R	USB Charger w/AC Adapter, US Cord, BDx-II
911-0601-EU-R	USB Charger w/AC Adapter, Euro Cord, BDx-II
911-0601-UK-R	USB Charger w/AC Adapter, UK Cord, BDx-II
911-9901-US-R	USB Charger w/AC Adapter, US Cord, Gilair 3 & GilAir 5
911-9901-EU-R	USB Charger w/AC Adapter, Euro Cord, Gilair 3 & GilAir 5
911-9901-UK-R	USB Charger w/AC Adapter, UK Cord, Gilair 3 & GilAir 5
911-0301-US-R	USB Charger w/AC Adapter, US Cord, LFS-113
911-0301-EU-R	USB Charger w/AC Adapter, Euro Cord, LFS-113
911-0301-UK-R	USB Charger w/AC Adapter, UK Cord, LFS-113
911-0501-US-R	USB Charger w/AC Adapter, US Cord, Gilibrator-2
911-0501-EU-R	USB Charger w/AC Adapter, Euro Cord, Gilibrator-2
911-0501-UK-R	USB Charger w/AC Adapter, UK Cord, Gilibrator-2
911-0502-US-R	USB Charger w/AC Adapter, US Cord, Gilibrator
911-0502-EU-R	USB Charger w/AC Adapter, Euro Cord, Gilibrator
911-0502-UK-R	USB Charger w/AC Adapter, UK Cord, Gilibrator
298-0031-01-R	AC Adapter
811-9923-US-R	AC Adapter, US Cord
811-9923-EU-R	AC Adapter, Euro Cord
811-9923-UK-R	AC Adapter, UK Cord

## USB powered Battery Charger

All components assembled:

(Part numbers shown: USB BD XII Charger 615-0601-01-R &  
AC Adapter w/ US Cord 811-9923-US-R)



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USB powered Battery Charger

For Reference:

USB Charger to BD XII Pump installation  
(BD XII Pump Sold Separately)



## **SENSIDYNE®**

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## Operation Manual

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REF 360-0178-01 (Rev D)