

In Case of Difficulty

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FLUKE®

BC7217-120 BC7217-INTL

Battery Chargers

Instruction Sheet

Introduction

The Fluke BC7217 Battery Charger charges Fluke BP72XX series Nickel-Cadmium and Nickel-Metal-Hydride battery packs for handheld test tools. The BC7217 consists of a charger base and a power supply. The charger base is the same for models BC7217-120 and BC7217-INTL, but their power supplies are different. Model BC7217-120 has a wall cube ac power adapter and accepts 108 to 132V ac (57 to 63 Hz). Model BC7217-INTL comes with a wide range in-line power adapter with separate IEC type ac line adapters. It accepts 90 to 264V ac (47 to 63 Hz).

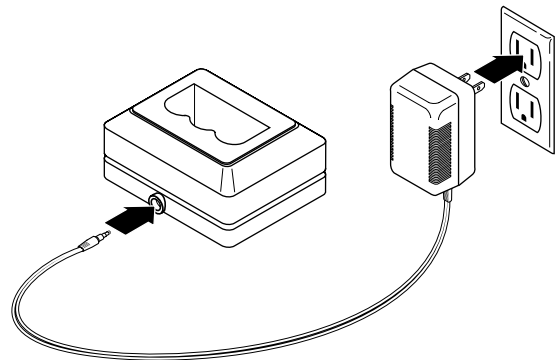
Connecting the Charger to Line Power

Model BC7217-120

Connect the wall adapter to line power within the following range: 108 to 132V ac, 57 to 63 Hz. Plug the barrel connector into the charger dc input jack as shown in Figure 1.

Model BC7217-INTL

Connect the wall adapter to line power within the following range: 90 to 264V ac, 47 to 63 Hz. Plug the barrel connector into the charger dc input jack as shown in Figure 1.



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Figure 1. Connecting the Charger to Line Power

Charging the Battery

Note

Sometimes a new battery needs several charge/discharge cycles before it performs to full capacity.

Before you use a new battery for the first time, charge it fully. Connect the charger to line power and place the battery in the charger as shown in Figure 2. You can leave the battery pack on trickle-charge indefinitely without damage. The charger will not overcharge a battery, even if you reinsert a charged battery.

- Nickel-Cadmium Battery

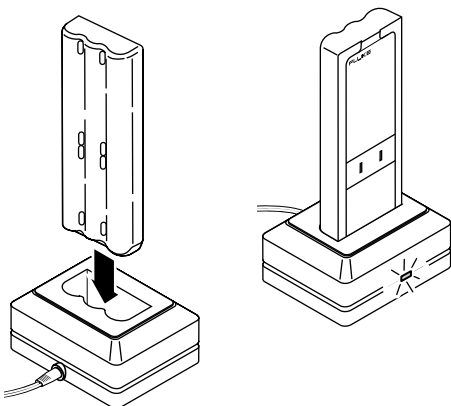
To obtain a full charge, charge the battery until the indicator blinks (approximately 1-1/2 hours).

- Nickel-Metal Hydride Battery

To obtain a full charge, charge the battery until the indicator blinks (approximately 2-1/2 hours), then leave it in the charger 3 more hours for a full charge.

Note

When you remove a charged battery from the charger, wait for the blinking indicator to go off before you insert a discharged battery. It takes about 2 seconds for the battery charger to reset.



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Figure 2. Inserting the Battery

When to Charge

Wait until the battery is fully discharged before you charge the battery. The battery will retain its charge longer.

Charge Mode Indicator

The red indicator light on the side of the charger shows the status of the battery charge cycle as follows:

- Off

The battery is not inserted, or it is inserted incorrectly, power is disconnected or not available, or the internal fuse is blown.

- Steady on

High-current fast charge mode.

- Blinking (50% duty cycle)

Nickel-Cadmium battery: trickle-charge mode.

Nickel-Metal Hydride battery: pulsed charge for the first 3 hours after blinking starts, then trickle-charge mode.

- Blinking (less than 50% duty cycle)

Pre-charge delay for proper battery temperature or voltage conditions.

Internal Fuse

An internal fuse is soldered in place. If the charger indicator does not go on when a battery is installed, this fuse may be blown. The fuse cannot be replaced by the user.

Specifications

BC7217-120:

Wall Adapter: Input Voltage: 108 to 132 V ac
Input Voltage Frequency: 57 to 63 Hz
Output Voltage: 15 V dc, 1.5 A

Safety Approvals: UL and CSA


BC-7217-INTL:

Wall Adapter: Input Voltage: 90 to 264 V ac
Input Voltage Frequency: 47 to 63 Hz
Output Voltage: 15 V dc, 2 A
Line power adapters: North America/Japan,
Europe, UK, Australia

Safety Approvals: UL, CSA and TUV

Both Models:

Charger Input Voltage: 14 to 20 V dc

DC Power Plug Polarity:  - Ring Negative
+ Center Positive

Temperature: Operating: 0 to 40 °C
Storage: -20 to 70 °C

Humidity (noncondensing):

Operating: 0 to 90% R.H.
Storage: 5 to 95% R.H.