



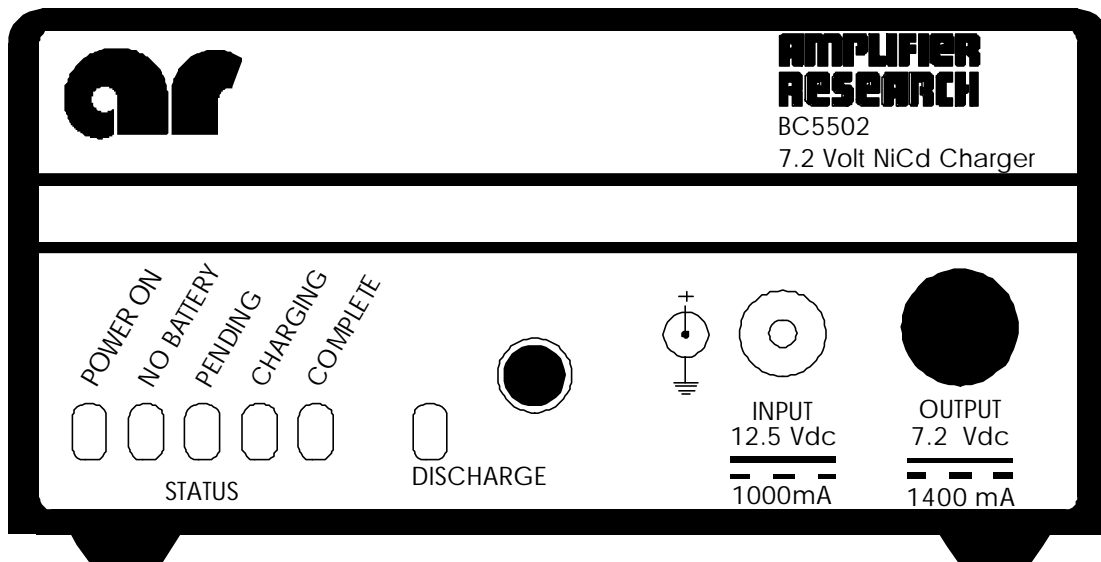
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MODEL BC5502
Fast Charger,
for Field Monitor FM5501

The BC5502 single channel NiCad Battery Charger is a dual power source one hour battery charger. It charges 7.2 volt 1400 mAH NiCad batteries and is powered by 120 / 240 VAC line power or 12.5 VDC. The BC5502 uses a $-(dV/dT)$ (negative delta V) technique to determine when the battery is fully charged, typically within one hour. With this technique, the charge state of the battery has no effect other than shortening the charge time.

Housed in a ventilated enclosure, power enters the battery charger through an international IEC power entry module which contains the fuses and the voltage selection switch or an automobile accessory outlet plug adapter. The IEC connector provides an internationally accepted power entry terminator which can be used with a variety of line cords. LED's on the front face of the unit provide operating mode and error information to the user. The battery charger connects to the device being charged by means of a short cord terminated with 5.5 mm plug.

An integrated circuit within the charger monitors the battery voltage and controls the charging functions according to the charge state of the battery.



REV032201

SPECIFICATIONS
MODEL BC5502

POWER	110 – 240 VAC 50 - 100Hz, IEC filtered connector
ALTERNATE	Automobile accessory outlet to 2 mm Power plug adapter cord 12.5 VDC, 1000 ma
FUSES	1.0 Amp, 250 VAC (Type T, 5 mm x 20 mm)
OUTPUT	
Output Open Circuit Voltage	15 Vdc
Fast Charge Pending Current	60 mA
Fast Charge Current	1400 mA
Pulsed Trickle Charge Current	50 mA
Output Voltage (during fast charge)	6-12 Vdc
NiCd BATTERY	7.2 Volt 6 Cell NiCd Battery, 1400 mA_H (Rapid Charge cells, 1.2 volts/cell)
OPERATING TEMPERATURE RANGE	10 to 40°C (50-104°F) @ 5-95% RH non-condensing
WEIGHT (maximum)	0.54 kg. 1.2 lb.
SIZE (W x H x D)	11.18 x 5.08 x 17.8 cm 4.4 x 2.0 x 7.0 in