



iQ^{plus}

NiCd/NiMH Battery Maintenance



You need to know radio batteries will work when they come out of your shop. You realize their performance can impact life, health or safety in the field. The iQ^{plus}® gives you that confidence.

The iQ^{plus} has become the low-cost radio shop standard for those occasions when you need an easy-to-use, accurate and effective battery analysis/conditioning product for NiCd and NiMH batteries.

Features and Benefits

A Comprehensive Liquid Crystal Display at Each Station

The iQ^{plus} LCDs show test status and battery capacity, in mAh, during all test and maintenance modes.



Measure Battery Capacity

“Analyze” mode measures your battery capacity. You compare the test results with the battery specification to predict performance and screen weak batteries.

Rejuvenate Weak Batteries

“Condition” mode cycles batteries to bring back capacity. The condition display provides the information you need to return restored batteries to the field or remove deficient batteries from your inventory.

Test Your Radio Charger

“Discharge” mode tests the battery capacity generated by your radio charger. You can tell if your charger is delivering full potential to your battery.

Intuitive Selection

Start all tests with the touch of a button. No programming or complex start-up required.

Variable Options

Available in a one or three station configuration with a 600 or 900mA charge rate.

Interchangeable Battery Adapters

The iQ^{plus} adapters support a growing line-up of more than 600 NiCd and NiMH batteries.

Satisfaction Guarantee and One-year Warranty

Your satisfaction is guaranteed. Return for a full refund, within 30 days, if not satisfied. Your product is also guaranteed against defects for one year.

And iTECH's renowned flat-rate repair program keeps your iQ^{plus} operating indefinitely. Today, some iTECH customers use 1992-models restored to new condition under this program.

Specifications

Electrical

| | |
|-------------|----------------------------------|
| AC Input: | 115 or 230VAC +/- 10% 50/60Hz |
| Chg Rate: | 600 or 900 mA +/-5% |
| Dsg Rate: | 600 or 900 mA +/-3% |
| Mnt Rate: | 25 mA |
| Batt Cells: | 4-12 |
| Batt V: | 4.8 to 14.4VDC |

Controls

| | |
|--------------|--|
| Keypad: | 3 dome switch |
| Functions: | Analyze; Condition; Discharge; Charge |
| Chemistries: | NiCd, NiMH |

Mechanical

| | |
|-------------|---|
| Cooling: | Fan-cooled |
| Dimensions: | 3.7" h x 7.8" w x 7.7" d (1-station) 3.7" h x 10.7" w x 7.7" d (3-station) |
| Weight: | 4 lbs. (1-station) 6.2 lbs. (3-station) |
| Display: | Custom LCD: Charge, Discharge, Analyze, Condition; Cycle #; Voltage; Battery capacity (mAh); Ready; Batt. fault |

Agency Approvals

CSA/UL, FCC, CE/CB

Models

| Model # | Description | Model # | Description |
|----------|---|----------|---|
| BC3501QC | iQ ^{plus} 1-sta. 115VAC, 600mA | BC3601QC | iQ ^{plus} 1-sta. 115VAC, 900mA |
| BC3501QW | iQ ^{plus} 1-sta. 230VAC, 600mA | BC3601QW | iQ ^{plus} 1-sta. 230VAC, 900mA |
| BC3503QC | iQ ^{plus} 3-sta. 115VAC, 600mA | BC3603QC | iQ ^{plus} 3-sta. 115VAC, 900mA |
| BC3503QW | iQ ^{plus} 3-sta. 230VAC, 600mA | BC3603QW | iQ ^{plus} 3-sta. 230VAC, 900mA |

Battery Adapters

iTECH carries battery adapters for more than 600 wireless product batteries. iTECH's Web site provides easily accessible information on battery adapters in a downloadable Excel spreadsheet. If your battery is not currently listed, send us a sample and we will evaluate it for adapter development free of charge. For more information, visit <http://www.itecheng.com/adapters.html> or call 800-233-6868, option 2.



BA1185

Other iTECH Products

- ♦ **iQ^{ten}**; 5-station; charge/discharge/analyze/condition/Cycle Test; programmable rates (up to 2A)
- ♦ **iQ^{five}**; 6-station; charge/discharge/analyze/condition/Cycle Test; 600mA (900mA Li-Ion) rates
- ♦ **iQpac**; 1-station; charge/quick analyze/spec analyze; 500/1000/1500mA rates
- ♦ **Charger^{plus}**; 3- or 6-station - 2 or 5 charge stations plus 1 analyze/condition station; 600 or 900mA (3 sta. only)

(See individual product sheets for more information)

Contact iTECH

iTECH - Intelligent Technologies
9454 Waples Street
San Diego, CA 92121
www.itecheng.com

800-233-6868, option 2
858-458-1500, option 2
858-458-1798 fax
sales@itecheng.com

