

The logo for iTECH, featuring the word "itech" in a stylized white font with a red dot above the "i".The logo for iQ five, featuring the text "iQ five" in a white, sans-serif font.

## Tri-chem 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<sup>five</sup>® gives you that confidence.

The iQ<sup>five</sup> has become the radio shop standard for those occasions when you need an easy-to-use, accurate and effective battery analysis/conditioning product for NiCd, NiMH and Li-Ion batteries.

### Features and Benefits

#### **A Comprehensive Liquid Crystal Display at Each Station**

The iQ<sup>five</sup> 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 to 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.

#### **Form New Batteries**

Warehoused or stored batteries may exhibit voltage depression and create calls from the field asking, “Why is my new battery not performing?” “Cycle Test” mode “forms” (charge/discharge) new batteries.

#### **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.

#### **Print Test Results**

Interfaces directly with the optional Star SP200 series or compatible dot matrix printers. Prints a date/time-stamped receipt for your customers.

#### **Li-Ion Capabilities**

Maintain Li-Ion batteries with “Type 3” adapters (Version 9.35 or later software). These adapters add the required CCCV charge, expand safety and increase the charge rate as needed for lithium ion.

#### **Interchangeable Battery Adapters**

The iQ<sup>five</sup> adapters support a growing line-up of more than 600 NiCd and NiMH batteries.

#### **Satisfaction Guarantee and Three-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 three years.

And iTECH’s renowned flat-rate repair program keeps your iQ<sup>five</sup> operating indefinitely. Today, some iTECH customers use 1992-models restored to new condition under this program.



you need to know

## Specifications

### Electrical

AC Input:	115 VAC +/- 10% 50/60Hz 230 VAC +/- 10% 50/60Hz
Chg Rate:	600mA (900mA Li-Ion) +/-5%
Dsg Rate:	600mA (900mA Li-Ion) +/-3%
Mnt Rate:	20-40mA
Batt Cells:	3-12
Batt V:	3.6-14.4VDC

### Controls

Keypad:	3 dome switch
Functions:	Analyze; Condition; Cycle Test; Discharge; Charge
Chemistries:	NiCd, NiMH, Li-Ion

### Mechanical

Cooling:	Fan-cooled
Dimensions:	3.7" h x 16.2" w x 7.7" d
Weight:	9.5 lbs.
Display:	Custom LCD: Charge, Discharge, Analyze; Condition; Cycle #; Voltage; Battery capacity (mAh); Ready; Batt. fault

### Optional Accessories

Printer:	Custom Serial Port communicates with Star SP200 series or compatible printers
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### Agency Approvals

CSA/UL, FCC, CE/CB

## Models

Model #	Description
BC3506QP-5	iQ <sup>five</sup> 115VAC, 600mA (900mA Li-Ion)
BC3506QPW-5	iQ <sup>five</sup> 230VAC, 600mA (900mA Li-Ion)

## 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.



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## Other iTECH Products

- ♦ **iQ<sup>ten</sup>**; 5-station; charge/discharge/analyze/condition/Cycle Test; programmable rates (up to 2A)
- ♦ **iQpac**; 1-station; charge/quick analyze/spec analyze; 500/1000/1500mA rates
- ♦ **iQ<sup>plus</sup>**; 1- or 3-station; charge/discharge/analyze/condition; 600 or 900mA rates
- ♦ **Charger<sup>plus</sup>**; 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

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