

# Q3

## Quantum III

Bioelectrical Impedance Analyzer (BIA)  
and  
Information Management System



## Features, Benefits, and Specifications

Stand Alone Portable Hand Held BIA  
Keypad and Display  
Internal Flash Memory  
RF Link  
Real Time Clock and Calendar  
Rechargeable Battery  
Carrying Case  
5 Year Warranty  
Optional Mini Printer

Easy to transport and operate in the field  
Large, easy to read, and easy to input data  
Stores up to 110 individual records  
Wirelessly transmits data to an unattended PC  
Time and date stamps each record  
Up to 12 hours of use before recharging  
Stores and protect your instrument  
RJL support  
Enables on-site reporting

### CONSTANT CURRENT SOURCE

### ADDITIONAL SPECIFICATIONS

Frequency	50 KHz
Current	475 micro amps RMS
Range	0 to 10,000 Ohms
Interface	Passive and isolated

Battery Charger Rating	12 volts 2.0 amp output
Printer Options	Citizen PD-24 or Windows default printer
Dimensions	8 by 6 by 3 inches
Display	4 lines by 20 characters blue on white LED
External Interface	RS-232 or RF link
Operating Environment	0 to 40 degrees C
Power Consumption	100 ma at 7.2 volts
Power Source	Internal rechargeable NiMH batteries
RF Link	434 MHz 16 bit digital transmission to 500 ft
Storage Environment	-20 to 60 degrees C

### MEASUREMENT

Resistance	0.0 to 1,000.0 Ohms
Reactance	0.0 to 100.0 Ohms
Phase Angle	0 to 45 degrees

### KEYPAD INPUT

### RESULTS

Subject ID	Gender
Height	Frame size
Weight	Target weight
Age	Activity level

% Fat	Target Weight	Impedance
% Fat Free Mass	BMR	Phase Angle
% Total Body Water	DEE	Resistance
BMI		Reactance