SPECIFICATIONS

BITE3 Instrument

Impedance Range and Resolution

0.05 to 1.000 mΩ	1 $\mu\Omega$ resolution
1 to 10.00 mΩ	10 $\mu\Omega$ resolution
10 to 100.0 mΩ	0.1 mΩ resolution

Voltage Range and Resolution

1 to 15 V dc across probes

1 to 8.0 V dc	1 mV resolution
8.0 to 15.00 V dc	10 mV resolution

Current Range and Resolution

0.5 — 9.99 A ac/dc	0.01 A resolution
10.0 — 99.9 A ac/dc	0.1 A resolution

Accuracy

dc voltage: ±(1% rdg +1 lsd)
ac impedance: ±(5% of rdg +1 lsd)
ac/dc current: ±(5% rdg +0.5 A)

Precision

Better than 0.5% one sigma

Source Output Current

1/2 A rms

Display

1/4 VGA LCD
2.83" x 2.95" (72mm x 57mm)

Settling Time per Reading

Approximately 6 to 8 seconds

Battery Pack

2 to 4 hours continuous
4.8 V dc, 7000 mAh, quick charge NiMH battery pack

Note: The batteries are nickel-metal-hydride. If these are changed the disposal of the old cells should be in accordance with local regulations.

Temperature

Operating:	32° to 105° F (0° to +40° C)
Storage:	-5° to 130° F (-20° to +55° C)
Humidity:	20 to 90% RH, noncondensing

Safety

Designed to meet IEC 61010-1 specifications

Dimensions

8.6 x 4 x 9.5 in.
220 x 100 x 237 mm

Weight

5.7 lbs (2.6 kg)

Charger

Supply Voltage

90 to 264 Vac, 50/60 Hz
1.6 A max.

Output

12 V dc @ 5 A, 60 W max.

Optional Printer

Thermal, with 4-1/4 in. (110 mm) printing width

PowerDB System Requirements

Processor

300 MHz Pentium II or better

Operating System

Windows 2000 (SP2 recommended)
Windows XP
Windows 7
Windows 8
Note: Windows 95 is not supported

Software

Microsoft® Internet Explorer 5 or later
Microsoft .Net Framework

Will be automatically installed by PowerDB if it is not already installed on your computer. For additional information about Microsoft .Net Framework please visit: www.microsoft.com/net

Hard Drive Space

100 MB

System Memory (RAM)

64 MB (128 MB recommended)

Other Drives

CD-ROM (used only for installation)

Communications Port

COM (used only for importing data from test equipment or to download information to the BITE3)

Monitor/Display

True color, 800 x 600 resolution

Additional Information

For improved usage, an internet connection will make it easy to get automatic PowerDB software updates.

The user should have Microsoft Excel 9.0, or later, to import AVOLink or COMLink files into PowerDB.