



Boonton 4500 Peak Power Analyzer

Boonton 4500 Peak Power Analyzer Family Migration

Boonton is pleased to announce an update to the 4500 Peak Power Analyzer platform. The model 4500B has changed to the 4500C. The Boonton 4500C Peak Power Analyzer is a performance enhanced drop-in, code-compatible replacement to the 4500B with the same front panel controls and graphical user interface (GUI), eliminating the need to change any test procedures designed around the 4500B. In addition, most options and “special” configuration models will continue to be offered, but model designation will change to include the “C” suffix (for example, the 4500B-S/1 will now be sold as the 4500C-S/1).

Instrument Characteristics	Model 4500B	Model 4500C
Mechanical Specifications		
Dimensions (inches, HxWxD)	7 x 17.5 x 19.5	7 x 17.5 x 13.5 (reduced depth)
Weight	25 lbs (approx)	18 lbs (approx)
Power Consumption	120 W max	90 W max
Supplemental Specifications		
Environmental		Specifications unchanged
Regulatory		Same or updated
RoHS	No	Yes
Performance Specifications		
RF Performance		
RF Channel VBW	65 MHz	125 MHz
RF Channel Risettime	< 7 ns	< 5 ns
Timebase Characteristics		
Accuracy	0.01% (100 ppm)	1.4 ppm
Trigger Characteristics		
Specifications unchanged		
Calibration Source		
Output VSWR	1.20 max	1.10 max
CW Absolute Accuracy @ 0dBm	0.065 dB	0.040 dB
CW Linearity	0.03 dB / 5dB	0.02 dB / 5dB
Measurement System		
Sample Rate	50 MSPS	100 MSPS
Waveform Processing	Post-acquisition	Real-Time Power Processing™ *

* With Real Time Power Processing™ architecture, the 4500C will offer full sample-rate acquisition across the entire time base range, and gap-less acquisition of triggered pulse events.



Instrument Characteristic	Model 4500B	Model 4500C
Connectivity		
Front panel connector layout/markings		Unchanged
Rear panel connector layout/markings		Functionally compatible
Remote Control Ports	GPIB, LAN (optional)	GPIB (optional), LAN
Interface ports	USB (2), RS232 (2), VGA, Parallel LPT	USB (> 3), RS232 (1), VGA, HDMI
Functional/Operational Compatibility		
Keyboard layout/markings		Unchanged
Application display screens		Unchanged
Application manual interface (keyboard)		Unchanged
SCPI remote command set		Fully compatible with 4500B
Legacy 44/4500(A) remote command set		Functionally compatible
Accessory/Option Compatibility		
Sensor compatibility		Unchanged
Accessory compatibility		Fully compatible with 4500B
Rack mount compatibility		Fully compatible with 4500B
Service/Calibration/Repair**		
PCB module compatibility		Not interchangeable
Chassis compatibility		Not interchangeable
Verification procedures		Similar to 4500B

** The 4500B is designated as Discontinued – or at End-of-Life (EOL) and can no longer be purchased. In accordance with company policy, Boonton will provide service for the 4500B seven years from 10 Sep 2018. Beyond that period, service will be available on a best-effort basis. As a reminder, the 4500A was discontinued in 2005 and is beyond the guaranteed service life. The 4500A and predecessor models are on a best-effort service level.

Wireless Telecom Group Inc.
 25 Eastmans Rd
 Parsippany, NJ 07054
 United States
 Tel: +1 973 386 9696
 Fax: +1 973 386 9191
 www.boonton.com

© Copyright 2018
 All rights reserved.

B/4500BEOL/1018/EN
 Note: Specifications, terms and conditions
 are subject to change without prior notice.

