

**SPECIFICATION SHEET**  
**JFW MODEL 50PA-904**  
**HANDOVER TEST SYSTEM**

JFW Industries, Inc.  
Phone: 317-887-1340  
sales@jfwindustries.com  
www.jfwindustries.com

Frequency Range	700-3000 MHz
Configuration	48 x 6 Handover Test System (see block diagram 092-7838 for attenuator addressing) (all ports are bi-directional) (full fan-out i.e. every path has its own attenuator) (the ADMIN password is located on rear panel)
Enclosure Type	19 inch rack mount @ 30RU high
Installation Option	This test is shipped as modules that require external RF cables and DC cables to be installed for the test system to be operational. If you prefer a JFW technician to install and test the system at your location, then please request an installation fee be added to the test system quote.
Impedance	50 Ohms nominal
Attenuation Range	0-95 dB in 1 dB steps
Startup/Default States (configurable)	Maximum attenuation (see ATTEN STARTUP command) DHCP enabled (see NET command) 4 Ethernet users (see NET USERS command) Prompts off (see PROMPT command)
VSWR	1.8:1 maximum 1.5:1 typical
Insertion Loss	49 dB maximum 46 dB typical
Attenuation Accuracy	± 0.50 dB (1-3 dB) ± 0.75 dB (4-7 dB) ± 1.00 dB (8-11 dB) ± 1.25 dB or 4% (12-95dB) (Whichever is greater) (guaranteed monotonic)
Power Divider Isolation	21 dB minimum 25 dB typical
RF Input Power	+30 dBm
Switching Speed	5 microseconds typical (after command is received and processed) (3 milliseconds typical processing time)
AC Supply	100-240VAC @ 47-63 Hz 4 Amp 5x20mm "Slo-Blo" AC fuse Littelfuse #215-004, JFW #025-018

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Manual Control	20-Button Keypad and LCD display (IP Address configurable via keypad) (Net mask configurable via keypad) (Gateway configurable via keypad) (Baud rate configurable via keypad)
Remote Control	Ethernet (DHCP, TCP/IP, 10/100, up to 12 users) RS-232 (up to 115200 Baud)
Remote Commands	Attenuator Control Commands: Atten, Set Path, Read Path, Read All Paths, Set Attenuator, Read Attenuator, Set All Attenuators, Read All Attenuators, Read All Extended, Fade Attenuator, Variable Attenuator Handover, Block, Set Block, Read Block, Read All Blocks, Fade Block, Variable Block Handover  System Commands: Help, Identification, Store, Recall, Pause, Net, Serial, Close, Disconnect, MOTD, Date, Message, Restrict, IDENT, Name, Show Users, Reboot, Uptime, Prompt
RF Connector	N or SMA female
Temperature Range	0°C to +50°C
Physical Size	See outline drawing 092-8090

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	09/08/2014		TRS 09/08/2014				