Shaker system power amplifier

wilcoxon SENSING TECHNOLOGIES

WST7B3

SPECIFICATIONS

Output - electromagnetic shaker load¹ Maximum power output, rated at 4Ω load 900 watts Frequency response, –3 dB 0.5 Hz to >20 kHz THD at rated power, max Maximum power output, rated at 11Ω load 225 watts, max Frequency response, –3 dB 500 Hz to 150 kHz THD at rated power, max 1% Front panel power switch, clipping indicated rear-panel 12 A fuse, internal thermal protection Impedance approx. 10 kΩ Impedance BNC, case grounded Maximum signal 2.4 V rms (3.39 peak/peak) Signal gain 29 dB (high) or 23 dB (low) Output connector Binding posts (R8B) Maximum output 70 V peak (50 V rms) Size (W x H x D) 19 x 5.25 x 17.75 inches (482 x 133 x 451 mm) Power requirements: WST7B³-220 220 VAC, 15 A Compatible equipment: Electromagnetic shakers F3, F4, F10 F7, F7-1		
Frequency response, -3 dB THD at rated power, max Output - piezoelectric shaker load² Maximum power output, rated at 11Ω load Frequency response, -3 dB THD at rated power, max Frequency response, -3 dB THD at rated power, max Front panel Protection Impedance Input connector Maximum signal Signal gain Output connector Binding posts (R8B) Maximum output To V peak (50 V rms) Size (W x H x D) Power requirements: WST7B³ WST7B³ WST7B³-220 Compatible equipment: Electromagnetic shakers F3, F4, F10	Output - electromagnetic shaker load¹	
THD at rated power, max Output - piezoelectric shaker load² Maximum power output, rated at 11Ω load Frequency response, -3 dB THD at rated power, max Front panel Protection Impedance Input connector Maximum signal Signal gain Output connector Binding posts (R8B) Maximum output To V peak (50 V rms) Size (W x H x D) Power requirements: WST7B³ WST7B³ WST7B³-220 Compatible equipment: Electromagnetic shakers Poon Hz to 150 kHz 225 watts, max 225 watts, max 225 watts, max 225 watts, max 226 watts, max 227 watts, max 228 watts, max 229 watts, max 248 watts, max 248 watts, max 259 watts, max 259 watts, max 248 final 250 watts, max 260 watts, max 270 watts, max 2	Maximum power output, rated at 4Ω load	900 watts
Output - piezoelectric shaker load²Maximum power output, rated at 11Ω load225 watts, maxFrequency response, -3 dB500 Hz to 150 kHzTHD at rated power, max1%Front panelpower switch, clipping indicated rear-panel 12 A fuse, internal thermal protectionImpedanceapprox. 10 kΩInput connectorBNC, case groundedMaximum signal2.4 V rms (3.39 peak/peak)Signal gain29 dB (high) or 23 dB (low)Output connectorBinding posts (R8B)Maximum output70 V peak (50 V rms)Size (W x H x D)19 x 5.25 x 17.75 inches (482 x 133 x 451 mm)Power requirements: WST7B³ WST7B³-220120 VAC, 15 A 220 VAC, 15 ACompatible equipment: Electromagnetic shakersF3, F4, F10	Frequency response, –3 dB	0.5 Hz to >20 kHz
Maximum power output, rated at 11Ω load225 watts, maxFrequency response, -3 dB500 Hz to 150 kHzTHD at rated power, max1%Front panelpower switch, clipping indicated rear-panel 12 A fuse, internal thermal protectionImpedanceapprox. 10 kΩInput connectorBNC, case groundedMaximum signal2.4 V rms (3.39 peak/peak)Signal gain29 dB (high) or 23 dB (low)Output connectorBinding posts (R8B)Maximum output70 V peak (50 V rms)Size (W x H x D)19 x 5.25 x 17.75 inches (482 x 133 x 451 mm)Power requirements: WST7B³ WST7B³-220120 VAC, 15 A 220 VAC, 15 ACompatible equipment: Electromagnetic shakersF3, F4, F10	THD at rated power, max	0.013%
Frequency response, -3 dB500 Hz to 150 kHzTHD at rated power, max1%Front panelpower switch, clipping indicated power switch, clipping indicated protectionProtectionrear-panel 12 A fuse, internal thermal protectionImpedanceapprox. 10 kΩInput connectorBNC, case groundedMaximum signal2.4 V rms (3.39 peak/peak)Signal gain29 dB (high) or 23 dB (low)Output connectorBinding posts (R8B)Maximum output70 V peak (50 V rms)Size (W x H x D)19 x 5.25 x 17.75 inches (482 x 133 x 451 mm)Power requirements: WST7B³ WST7B³-220120 VAC, 15 A 220 VAC, 15 A 220 VAC, 15 ACompatible equipment: Electromagnetic shakersF3, F4, F10	Output - piezoelectric shaker load²	
THD at rated power, max Front panel Protection Impedance Input connector Maximum signal Signal gain Output connector Binding posts (R8B) Maximum output To V peak (50 V rms) Size (W x H x D) Power requirements: WST7B³ WST7B³ WST7B³-220 Compatible equipment: Electromagnetic shakers 1% rear-panel 12 A fuse, internal thermal protection BNC, case grounded 24 V rms (3.39 peak/peak) Sinding posts (R8B) 70 V peak (50 V rms) 19 x 5.25 x 17.75 inches (482 x 133 x 451 mm) Power requirements: WST7B³ YST7B³ YST7B	Maximum power output, rated at 11Ω load	225 watts, max
Front panelpower switch, clipping indicated rear-panel 12 A fuse, internal thermal protectionImpedanceapprox. 10 kΩInput connectorBNC, case groundedMaximum signal2.4 V rms (3.39 peak/peak)Signal gain29 dB (high) or 23 dB (low)Output connectorBinding posts (R8B)Maximum output70 V peak (50 V rms)Size (W x H x D)19 x 5.25 x 17.75 inches (482 x 133 x 451 mm)Power requirements: WST7B³ WST7B³-220120 VAC, 15 A 220 VAC, 15 ACompatible equipment: Electromagnetic shakersF3, F4, F10	Frequency response, –3 dB	500 Hz to 150 kHz
Protectionrear-panel 12 A fuse, internal thermal protectionImpedanceapprox. 10 kΩInput connectorBNC, case groundedMaximum signal2.4 V rms (3.39 peak/peak)Signal gain29 dB (high) or 23 dB (low)Output connectorBinding posts (R8B)Maximum output70 V peak (50 V rms)Size (W x H x D)19 x 5.25 x 17.75 inches (482 x 133 x 451 mm)Power requirements: WST7B³ WST7B³-220120 VAC, 15 A 220 VAC, 15 ACompatible equipment: Electromagnetic shakersF3, F4, F10	THD at rated power, max	1%
Impedance approx. 10 kΩ Input connector BNC, case grounded Maximum signal 2.4 V rms (3.39 peak/peak) Signal gain 29 dB (high) or 23 dB (low) Output connector Binding posts (R8B) Maximum output 70 V peak (50 V rms) Size (W x H x D) 19 x 5.25 x 17.75 inches (482 x 133 x 451 mm) Power requirements: WST7B³ WST7B³ WST7B³-220 220 VAC, 15 A 220 VAC, 15 A 220 VAC, 15 A 220 VAC, 15 A	Front panel	power switch, clipping indicator
Input connector BNC, case grounded Maximum signal 2.4 V rms (3.39 peak/peak) Signal gain 29 dB (high) or 23 dB (low) Output connector Binding posts (R8B) Maximum output 70 V peak (50 V rms) Size (W x H x D) 19 x 5.25 x 17.75 inches (482 x 133 x 451 mm) Power requirements: WST7B³ WST7B³ VST7B³ 220 VAC, 15 A 220 VAC, 15 A 220 VAC, 15 A 220 VAC, 15 A	Protection	•
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Output connector Binding posts (R8B) Maximum output 70 V peak (50 V rms) Size (W x H x D) 19 x 5.25 x 17.75 inches (482 x 133 x 451 mm) Power requirements: WST7B³ 120 VAC, 15 A 220 VAC, 15 A WST7B³-220 220 VAC, 15 A Compatible equipment: F3, F4, F10	Maximum signal	2.4 V rms (3.39 peak/peak)
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Electromagnetic shakers F3, F4, F10	WST7B ³	•
Matching networks N7FS, N8HFS	Electromagnetic shakers Piezoelectric shakers ^{1,2}	F7, F7-1



² With appropriate matching networks.

Options: WST7B3-220 (220 VAC) model available



Key features

- 19" rack mountable
- Designed to operate with shakers (direct drive of models F4, F10)
- Low distortion over entire range of operation
- Manufactured in ISO 9001 facility



Note: Due to continuous process improvement, specifications are subject to change without notice.