PERFORMANCE CHECKSHEET

Model: AVR-3HF-B-PN-VXI-R5-X2
Type: High Voltage Pulse Generator
S.N.: 13117
Date: January 27, 2014

Rise & Fall Time Test

1 kHz, 1 us, +250V into a 50Ω load.
100 V/div, 200 ns/div.

1 kV, 1 us, +250V into a 50Ω load.
100 V/div, 200 ns/div.

a) Output Signal Amplitude: up to ±250V
b) Pulse Width (FWHM): 100 ns - 100 us, 4% duty cycle
c) Rise Time (20%-80%): < 10 ns
d) Fall Time (20%-80%): < 10 ns
e) PRF: 1 Hz - 100 kHz
f) Jitter, Stability: OK

g) Prime Power: 100-240V AC, 50-60 Hz.

Wide Pulse Test

10 Hz, 100 us, -250V into a 50Ω load.
100 V/div, 20 us/div.

References levels: 20%, 80%.