



RF Systems and Synthesizers > Fixed Frequency References > **Wizard Frequency Standards**

Features:

- 120 VAC or +18 VDC
- 1 PPS Optional
- Aging 5e-10/Day Standard
- Optional Rubidium Oscillator, Aging to 1e-11/Day
- 3.75 x 19" Rack Mount

Applications:

- Noise Reference
- Frequency Reference

The Wizard Standards ultra low noise frequency sources generate and distribute 1, 5, 10 and 100 MHz signals. Outputs are organized in groups of one or three and are easily custom tailored. Switch selectable external reference input, 5 and 10 Mhz.



Typical Specifications:					
Frequency (Specify)	1, 5, 10, 100 MHz				
Output Level	+13				dBm
Aging	$\pm 5 \times 10^{-10}$ to 1×10^{-10}				
Temperature Stability (Specify) 0 to +60C	$\pm 1 \times 10^{-9}$				
Supply Voltage (Specify)	120 / 240				VDC
Crystal Type	SC				
Dimensions	482.6 x 88.9 x 406.4				mm
	19 x 3.5 x 16				inches
Connectors	SMA				
Some Configurations # of Outputs	1	5	10	100	MHz
	0	3	3	3	
	0	0	9	3	
	0	6	6	6	
	0	6	10	0	

Ordering Information:

Wizard III (5 & 10 MHz, 3 outputs for each frequency. 5 MHz derived)

Wizard IV (5 & 10 MHz, 3 outputs for each frequency. 5 & 10 MHz derived)

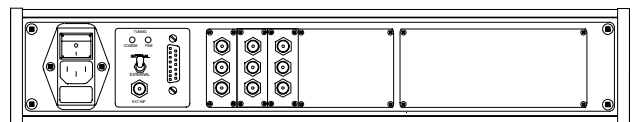
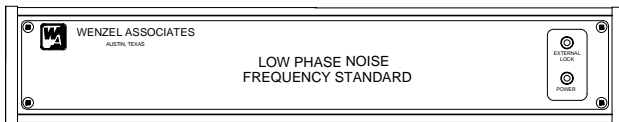
Wizard V (5, 10, and 100 MHz, 3 outputs for each frequency. 5 & 100 MHz derived)

Wizard VI (5, 10, and 100 MHz, 3 outputs for each frequency. 5, 10, and 100 MHz derived)

Phase Noise Options:					
Select Phase Noise					
	5 MHz	10 MHz (5 MHz x 2)	10 MHz	100 MHz	
1 Hz	-120	-112	-100	-90	dBc/Hz
10 Hz	-150	-142	-130	-120	dBc/Hz
100 Hz	-170	-162	-160	-135	dBc/Hz
1 kHz	-176	-170	-174	-148	dBc/Hz
10 kHz	-176	-170	-176	-174	dBc/Hz

- PIN | Function
- 1 Phase lock alarm
 - 2 N/C
 - 3 N/C
 - 4 EXT Ref detect
 - 5 INT Ref detect
 - 6 GND

Front Panel



Rear Panel