





# Portable Bench Universal Frequency Counters

## 1820B Series

### Comparison Guide

Company	B&K Precision			
Model	1823A	1856D	1823B	1826B
				
Price	\$492 (discontinued)	\$625 (discontinued)	\$575	\$775
Frequency Range	0.1 Hz to 2.4 GHz	0.1 Hz to 3.5 GHz	0.001 Hz to 3 GHz	0.001 Hz to 6 GHz
<b>Standard Channels</b>				
Frequency Range	0.1 Hz to 2.4 GHz		0.001 Hz to 3 GHz	
Impedance	1 M $\Omega$ (up to 100 MHz) or 50 $\Omega$		1 M $\Omega$ (up to 125 MHz) or 50 $\Omega$	
<b>Microwave Channel</b>				
Frequency Range	-	80 MHz to 3.5 GHz	-	2 GHz to 6 GHz
Terminal Type	-	N-type	-	N-type
Input Impedance	-	50 $\Omega$	-	50 $\Omega$
<b>Time Base</b>				
Measurement Clock	10 MHz		50 MHz	
Internal Reference	10 MHz (TCO)		10 MHz (TCXO)	
Temperature Stability	$\pm 5$ ppm (0 $^{\circ}$ C to 50 $^{\circ}$ C)		$\pm 1$ ppm (5 $^{\circ}$ C to 40 $^{\circ}$ C)	
Initial Error	Not specified		$< \pm 0.2$ ppm (at 25 $^{\circ}$ C)	
Aging Rate	$\leq \pm 5$ ppm/year		$< \pm 1$ ppm/year	
<b>Characteristics</b>				
Frequency Resolution	7 digits/s		8 digits/s	
Max. Display Resolution	9 digits		10 digits	
Battery Powered	-		✓	
<b>General</b>				
Display	0.56" LED		0.5" LCD	
Standard I/O Interfaces	RS232		USB (VCOM)	
Warranty	1 year		3 years	