





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
Standard Channels				
Frequency Range	0.1 Hz to 2.4 GHz		0.001 Hz to 3 GHz	
Impedance	1 M Ω (up to 100 MHz) or 50 Ω		1 M Ω (up to 125 MHz) or 50 Ω	
Microwave Channel				
Frequency Range	-	80 MHz to 3.5 GHz	-	2 GHz to 6 GHz
Terminal Type	-	N-type	-	N-type
Input Impedance	-	50 Ω	-	50 Ω
Time Base				
Measurement Clock	10 MHz		50 MHz	
Internal Reference	10 MHz (TCO)		10 MHz (TCXO)	
Temperature Stability	± 5 ppm (0 °C to 50 °C)		± 1 ppm (5 °C to 40 °C)	
Initial Error	Not specified		$< \pm 0.2$ ppm (at 25 °C)	
Aging Rate	$\leq \pm 5$ ppm/year		$< \pm 1$ ppm/year	
Characteristics				
Frequency Resolution	7 digits/s		8 digits/s	
Max. Display Resolution	9 digits		10 digits	
Battery Powered	-		✓	
General				
Display	0.56" LED		0.5" LCD	
Standard I/O Interfaces	RS232		USB (VCOM)	
Warranty	1 year		3 years	