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## ***Resolution and Accuracy***

### ***Frequency measurements***

Channel	Range	Resolution	Accuracy
A	10MHz 10Hz to 10MHz	1,10,100Hz selectable	$\pm 1 \text{ count} \pm 1 \times 10^{-5} \times \text{frequency (month)}$ $\pm 1 \text{ count} \pm 5 \times 10^{-6} \times \text{frequency (minute)}$
	100MHz 10MHz to 100MHz	10,100, 1000Hz selectable	
B	1300MHz 100MHz to 1300MHz	100Hz,1kHz, 10kHz selectable	

### ***Period measurements***

Channel	Range	Resolution	Accuracy
A (only)	0.1S to 0.1 $\mu$ S (10Hz to 10MHz)	0.0 $\mu$ S, 0.00 $\mu$ S 0.000 $\mu$ S selectable	$\pm 1 \text{ count} \pm 1 \times 10^{-5} \times \text{period (month)}$ $\pm 1 \text{ count} \pm 5 \times 10^{-6} \times \text{period (minute)}$

## **Multi-Function Digital Counter**

### **Users Manual**

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#### **Total measurements**

Channel	Range	Resolution
A (only)	10Hz to 10MHz	1 count input

#### **Input Characteristics**

##### **Channel A**

Input voltage sensitivity:

10MHz range: 10Hz to 8MHz 25mV rms. 8MHz to 10MHz 50mV rms.

100MHz range: 10MHz to 80MHz 25mV rms. 80MHz to 100MHz 50mV rms.

Attenuation:  $\times 1$ ,  $\times 20$  fixed

Impedance: approx.  $1M\Omega$  less than 35pF

Maximum voltage protection: 250V RMS