

## Product features

- Channel B (50 MHz to 2.4 GHz) and Frequency : 50 MHz - 2.4 GHz with 8 digit LED display and Crystal-controlled temperature circuit
- 2 Input Channels : Channel A for 0.01 Hz to 50 MHz ; Channel B for 50 MHz to 2.4 GHz
- 3 steps function selection: work state, unit & 8-digit LED display and Frequency measurement 0.01Hz-2.4GHz
- Channel A (0.01Hz to 50 MHz) and Frequency range : DC couple 0.01 Hz to 100 Hz ; AC couple 100 Hz to 50 MHz
- Cyclic measurement range 0.5ms-10s <br>\* Attenuation of 20dB and input impedance of 1MO with Frequency, period, equal-precision measurement

## Product description

Frequency counter that measures signals over a wide range of 0.01Hz - 2.4GHz. Gate time that is continuously varying from 100ms-10s. All functions depend on a single CPU. It has a crystal-controlled temperature circuit that provides a constant compensation for temperature change, reduces the measurement errors.

### Features

- \* Switch from 110V to 220V (vise versa)
- \* 5W max consumption

### Specifications

**8digit LED display**

**3step function selections**

Channel B input has an attenuator(x1,x20)

AC/DC coupling for low-pass filter

2 Input Channels: Channel A for 0.01Hz-50MHz ; Channel B for 50MHz-2.4GHz

**Channel A** (0.01Hz to 50 MHz)

- \* Freq range: DC couple 0.01-100Hz ; AC couple 100Hz-50MHz
- \* Sensitivity: "DC" 0.01-1Hz = 500m Vp-p, 1-100Hz = 80m Vrms, "AC" 100Hz - 50mHz = 80m Vrms
- \* Input impedance: 1 M?

**Channel B** (50MHz - 2.4GHz)

- \* Freq: 50MHz - 2.4GHz
- \* Sensitivity: 50MHz-1.2GHz = 80m Vrms, 1.2-2.4GHz > 80m Vrms
- \* Coupling: AC only
- \* Input Impedance: 50?

Resolution depends on gate time control setting

Time base:

- \* Short time stability:  $\pm 3 \times 10^{-9}$ /sec
- \* Long time stability:  $\pm 2 \times 10^{-8}$ /month
- \* Temp drift coefficient:  $\pm 1 \times 10^{-7}$ , 10-40°C
- \* Line voltage variation:  $\pm 1 \times 10^{-7}$  for line voltage  $\pm 10\%$

Gate Time: Continuously variable from 100ms - 10s

Precision: standard time error (t) x frequency (f)  $\pm 1d$

Power: 110V and 220V

Preheat time: 20min

Operating environment: 0-50°C, 10-90%RH

Size and Weight: 270 x 215 x 100mm, approx. 1.6kg

### Set includes

- 1 x Frequency Counter
- 1 x Power Cord
- English User Manual
- Test probe w/ BNC connector

### Product details

- **Product Dimensions:** 11 x 6 x 12 inches ; 4.41 pounds