

▶ DDS任意波形信號產生器 TFG-3600E系列



功能特點

- 最大頻率輸出 5MHz/10MHz/20MHz
- 3.5吋 彩色TFT LCD 顯示/雙通道輸出
- 採樣率100 Msa/s,垂直解析度8位,波形記憶長度1024Point
- 具有任意波功能,可設置8組用戶自定義波型
- 最小輸出 1mV (50Ω) 穩定波形
- 32 種內建波形及 40 組面板設定存儲及呼叫
- FM · AM · FSK · ASK · PSK 多種調製功能
- 頻率掃描、幅度掃描、觸發、TTL 輸出
- 過電壓、過電流、短路保護、反灌電壓保護功能

產品規格

| MODE | TFG-3605E | TFG-3610E | TFG-3620E |
|--------------------------|---|-------------|-------------|
| Frequency range | 1uHz~5MHz | 1uHz ~10MHz | 1uHz ~20MHz |
| Waveform (Output A) | | | |
| Types | 32 built-in waveforms, including Sine, Square, Triangle,Ramp,Pulse,etc. | | |
| Length | 1024 points | | |
| Vertical resolution | 8 bits | | |
| Sampling rate | 100MSa/s | | |
| Harmonic distortion | ≥40dBc(<1MHz); ≥35dBc (1~20MHz) | | |
| Total distortion | ≤1% (20Hz~200kHz) | | |
| Rise/fall time of square | ≤35ns, Overshoot: ≤10% | | |
| Duty cycle of square | 1%~99% | | |
| Frequency (CHA) | | | |
| Range | Sine 1uHz~5MHz Squire 1uHz~5MHz Other 1uHz~1MHz | 1uHz~10MHz | 1uHz~20MHz |
| Resolution | 1uHz | | |
| Accuracy | ± (50ppm + 40mHz) | | |
| Amplitude (Output A) | | | |
| Range | 2mVpp~20Vpp, 1uHz~10MHz (high impedance) | | |
| Resolution | 20mVpp (amplitude>2Vpp), 2mVpp (amplitude<2Vpp) | | |
| Accuracy | ± (1% +2 mVrms) (high impedance, RMS, frequency 1kHz) | | |
| Stability | ±0.5% / 3 hours | | |
| Flatness | ±5% (frequency<10MHz); ±10% (frequency> 10MHz) | | |
| Output impedance | 50Ω | | |
| DC Offset (CHA) | | | |
| Range | ±10V (high impedance, attenuation 0 dB) | | |
| Resolution | 20mVdc | | |
| Accuracy | ±(1% + 20mVdc) | | |
| Sweep (CHA) | | | |
| Parameter | Frequency,Amplitude | | |
| Range | Free to set starting point and end point | | |
| Time | 100ms~900s | | |
| Direction | Up,Down,Up-Down | | |
| Mode | Linear, Logarithmic | | |
| Control | Auto sweep or manual sweep | | |

▶ DDS任意波形信號產生器 TFG-3600E系列

產品規格

| | |
|---------------------------------|--|
| Frequency Modulation (FM) (CHA) | |
| Carrier signal | CHA Signal |
| Modulating signal | CHB or external signal |
| FM deviation | 0%~20% |
| Burst(CHA) | |
| Carrier signal | CHA Signal |
| Trigger signal | TTL_A Signal |
| Burst counts | 1~65000 cycles |
| Trigger mode | Internal TTL, External, Single |
| Shift keying(CHA) | |
| FSK | Free to set the hop frequency and carrier frequency |
| ASK | Free to set the hop amplitude and the carrier amplitude |
| PSK | Hop phase: 0~360°, resolution: 1° |
| Alternative rate | 10ms~60s |
| Waveform(CHB) | |
| Type | 32 built-in waveforms, including Sine, Square, Triangle, Ramp, Pulse, etc. |
| Length | 1024 points |
| Vertical resolution | 8 bits |
| Sampling rate | 12.5Ms/s |
| Duty cycle of square | 1%~99% |
| Frequency(CHB) | 40mHz~1MHz; Other waveforms: 10mHz~100kHz |
| Range | Sine: 1uHz~1MHz; Other: 1uHz~100kHz |
| Resolution | 1uHz |
| Accuracy | $\pm 1 \times 10^{-5}$ |
| Amplitude(CHB) | |
| Range | 50mVpp~20Vpp (high impedance) |
| Resolution | 20mVpp |
| Output impedance | 50Ω |
| Burst(CHB) | 1~65000 cycles |
| Carrier signal | CHB Single |
| Trigger signal | TTL_B Signal |
| Burst counts | 1~65000 cycles |
| Trigger mode | Internal TTL, External, Single |
| TTL output | |
| Waveform | Square wave, rise/fall time $\leq 20\text{ns}$ |
| Frequency | 10mHz~1MHz |
| Amplitude | TTL, CMOS compatible, low < 0.3V, high > 4V |
| Frequency counter | |
| Testing frequency range | 1Hz~200MHz |
| Input signal amplitude | 100mVpp~20Vpp |
| Remote counter | RS-232 interface |
| General | |
| Operation characteristics | Key operation for all functions, Menu display, Rotary dial adjustment |
| Display | TFT LCD |
| Language | English, Chinese(simplified), Chinese(traditional) |
| Power consumption | AC110V/220V $\pm 10\%$ selectable, 50/60Hz, Max. 45VA |
| Environmental: Temperature | 0~40°C, < 80%RH |
| Standard accessories | Power cord $\times 1$, Operation manual $\times 1$, Software CD $\times 1$, RS-232 cable $\times 1$, |
| Dimension | 385 \times 260 \times 110mm |
| Weight | 3.5Kg |

訂購資訊

| MODE | TFG-3605E | TFG-3610E | TFG-3620E |
|-----------------|-----------|-------------|-------------|
| Frequency range | 1uHz~5MHz | 1uHz ~10MHz | 1uHz ~20MHz |