FUNCTION / ARBITARY WAVEFORM GENERATOR

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MODEL - TFG6803

NEW



- **Display :** 7 inch Touch Sceen Display
- 16Mpts waveform length

FUNCTIONS :

- **Frequency Range :**

  Sine /Square : 1μHz ~ 35MHz

  Pulse : 1μHz ~ 25MHz

  Ramp : 1μHz ~ 3MHz

- **Waveform :**

  Type : 165 kinds include: Sine, Square, Ramp, Pulse, Noise, DC, PRBS, User-defined Arbitrary Waveform, user defined harmonic, etc.

  Sample Rate : 250MSa/s

  Vertical Resolution : 16 bits

- **DC Offset (High-Z) :** ±10Vpk(AC+DC)
- **Sweep :** 1μHz ~ upper frequency limit
- **Burst :** Mode-Triggered, Gated
- **Counter :** Frequency Range: 1mHz ~ 350MHz (DC Couple)
  10Hz ~ 350MHz (AC Couple)

  Duty Cycle : 0.1% ~ 99.9%
- **Amplitude (High-Z) :** 2mVpp ~ 20Vpp
- **Modulation :** FM, AM, PM, PWM, Sum
- **Rise / Fall time of Square :** <4.2ns

ADDITIONAL FUNCTIONS :

- High precision frequency counter
- Removable PA (Option)
- IOT interface optional

- **Power supply :** AC 100~240, 50/60Hz ±10%, AC 100~120V, 400Hz ±10%
- **Dimension :** Approx. 226 x 200 x 125mm
- **Weight :** Approx. 2.9kg.
- **Accessories :** User Manual, Power cord, BNC Cable, Software CD.
- **Optional Accessories :**

  TCXO : ±1ppm Accuracy, ±1ppm/year aging rate

  Power Amplifier : 2 times power amplifier, Max output power 8W (8Ω)

  IOT Interface : Based on LoRa

25MHz ARBITRARY WAVEFORM GENERATOR
Model - KM 3022B

NEW



- **Display :** 4.3-inch color TFT LCD screen.
- Built in 7 digit / second high resolution 80MHz frequency counter.

SPECIFICATIONS :

- **Frequency Range :** 25 MHZ sine wave frequency.
  15 MHz square wave frequency.
- Channels : 2 channels
- Memory Depth : 2M
- Sampling rate : 250MS a/s
- Frequency Resolution : 1μHz
- Voltage Resolution : 16Bit
- **Waveforms :**
  - Standard Waveforms : Sine, Square, Ramp, Pulse, Noise, Harmonic, DC
  - Arbitrary Waveforms **:** More than 160 kinds, including Sinc, Exponential Rise, Exponential Fall, ECG, Gauss, Haver Sine, Lorentz, Dual-Tone, etc.
- **Frequency Characteristics :**
  - Sine 1μHz to 25MHz
  - Square 1μHz to 15MHz
  - Pulse 1μHz to 15MHz
  - Ramp 1μHz to 2MHz
  - Harmonic 1μHz to 10MHz
  - Noise (-3dB) 100 MHZ bandwidth
  - Arbitrary μHz to 15MHz
  - Resolution 1μHz
  - Accuracy ±1ppm, 18 to 28°C

ADDITIONAL SPECIFICATIONS :

- Frequency sweep and burst capability.
- Built-in function generator includes: sine, square, triangle, pulse, noise, harmonic.
- Arbitrary waveform generator with 2M waveform length, 16-bit resolution
- Built-in more than 160 arbitrary waveforms, including exponential rise, exponential fall, ECG, gauss, haversine, Lorentz, dual-tone, DC etc.
- Support AM, DSB-AM, FM, PM, ASK, FSK, PSK, BPSK, QPSK, 3FSK, 4FSK, OSK and PWM modulations.
- Built-in high-order harmonic generator (at most 16-order harmonics)..
- **Abundant I/O:** waveform output, sync signal output, modulation input, 10MHz external time base input/output, and trigger input/output.
- Waveform creation PC software included.
- USB remote interfaces.
- SCPI Compatibility. For easy instrument programming.

- **Power supply :** 100-120VACRMS (±10%), 45Hz to 440Hz, CAT II
  120-240VACRMS (±10%), 45Hz to 66Hz, CAT II
- **Dimension :** Approx. 310(L) X 260(W) X 110(H)mm
- **Weight :** Approx. 3 kg.
- **Accessories :** BNC TO BNC Cable, Test Leads-2pcs., Power Cord, USB cable & Software CD with User Manual