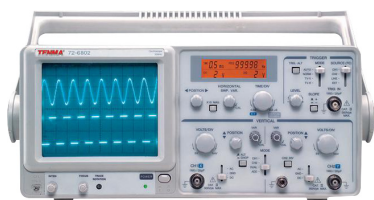


20MHz Analog Oscilloscope With 1Mhz Function Generator



Description

The product is a general purpose analog oscilloscope with a 20MHz bandwidth. Aside from the basic functions, such as 1mV/div~5V vertical sensitivity, 0.2uS/div~0.5S/div horizontal sweep time, and practical Auto/Norm/TV-V/TV-H trigger modes, the product offers extra function generating features required for most class experiments and electrical production lines. The affordable priced product is capable of generating Sine/Square/Triangle waveforms in the frequency ranges from 0.1Hz~1MHz (7 range) with sine wave distortion as low as 2%.

Features

- Built-In 1 MHz Function Generator
- 20MHz Bandwidth, Dual Channel
- High Sensitivity 1mV/div
- ALT Triggering Function
- TV Synchronization
- CH1 Output
- Z Axis Input
- Economic Choice for High Quality

Specifications

CRT	
Type	6-inch rectangular type with internal graticule ; 8 × 10 div (1div=1cm)
Accelerating Potential	2kV
Z-Axis Input	Sensitivity : Above 5Vp-p; Max. input voltage : 30V (DC + AC peak) Bandwidth : DC ~ 2MHz
Polarity	Positive-going input decrease
Focus Control	Auto focus
Function Generator	
Frequency Range	0.1Hz ~ 1MHz (7 range)
Waveform	Sine Wave, Square Wave, Triangle Wave
Frequency Variable Range	10 :1 or more
Output Impedance	50Ω ±10%
Voltage	Over 14Vp-p(open circuit)continuous conversion DC offset possible over ±6V when open
Sinewave Distortion	2% Max. (10Hz ~ 100kHz)
Squarewave Unsymmetry	±3% or less (in 1kHz maximum)
Squarewave Rise/Fall Time	50Ω output: 120ns or less
Vertical System	
Sensitivity	5mV/div ~ 5V/div ±3%, 1mV/div~1V/div ±5%(using × 5MAG.)
Bandwidth	DC to 20MHz (× 5MAG.:DC to 7MHz)
Rise Time	Approx. 17.5ns (× 5MAG.:Approx. 50ns)
Max. Input	300V (DC+ACpeak) at 1kHz
Input Coupling	AC, DC, GND
Input Impedance	Approx. 1MΩ/25pF
Vertical Mode	CH1,CH2,DUAL(ALT,CHOP),ADD,CH2 INV



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Horizontal System	
Sweep Time	0.2 μ s/div ~ 0.5s/div \pm 3% (\pm 5% at \times 10MAG)
Max. Sweep Rate	100ns/div (20ns and 50ns/div are uncalibrated)
Trigger	
Trigger Mode	Auto, Norm, TV-V, TV-H
Trigger Source	CH1, CH2, ALT, LINE, EXT
Trigger Slope	"+" or "-"
X-Y Operation	
Sensitivity	5mV ~ 5V/div \pm 4%
X-axis Bandwidth	DC ~ 500kHz
Phase Error	3° or less from DC ~ 50kHz
Output Signal	
Trigger Signal Output	Voltage : approx. 20mV/div into 50 Bandwidth : 50Hz to 5MHz (-3dB) Impedance : Approx. 50
Calibrator Output	1kHz Square wave, 2Vp-p \pm 2%
Power Source	
115/230V AC \pm 15%, 50/60Hz	
Dimensions & Weight	
310mm(W) \times 150mm(H) \times 455mm(D); Approx. 8.5kg	

Accessories:

User manual \times 1, Power cord \times 1

Probe : 20MHz (10 : 1/1 :1) Switchable Passive Probe (one per channel)

Test Lead \times 1

Part Number Table

Description	Part Number
20MHz Oscilloscope with Built-in 1MHz Function Generator	72-6805

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