

100 MHz OSCILLOSCOPES (GOS-6112, GOS-6103, GOS-6103C)

Cursor Readout Analog Oscilloscope 100 MHz, Dual Channel, Delayed Sweep

Specifications:

- GOS-6112/6103/6103C FEATURES
 - Cursor Readout Analog Oscilloscope
 - 100 MHz, Dual Channel, Delayed Sweep
 - Built-in 6 Digit Universal Counter (GOS-6103C)
 - 10 Sets Memory for Front Panel Setting Save & Recall (GOS-6103/GOS-6103C)
 - Time Base Auto-range (GOS-6103/GOS-6103C)
 - Cursor Readout with 7 Measurements
 - Panel Setup Lock of Digital-Control Functions
 - Buzzer Alarm
 - LED Indicators
 - TV Synchronization
 - Trigger Signal Output
 - Z-Axis Modulation Input
 - SMD Technology, High Stability and Reliability
 - (GOS-6103C Without CE Approved.)
- SPECIFICATIONS
 - CRT
 - Type 6-inch rectangular type with internal graticule;
 - 0%, 10%, 90% and 100% markers. 8 x 10 DIV (1 DIV=1 cm)
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 - Phosphor P31
 - Accelerating Potential 16 kV approx.(GOS-6103/GOS-6103C), 12kV approx.(GOS-6112)
 - Illumination Continuously adjustable (GOS-6103/GOS-6103C)
 - Z-axis input Coupling : DC
 - Sensitivity : 5V or more



GOS-6103



- Maximum input voltage : 30V(DC+AC peak) at 1kHz or less
- Bandwidth : DC ~ 5MHz
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- VERTICAL SYSTEM
- Sensitivity 2mV ~ 5V / DIV, 11 step in 1-2-5 sequence
- Sensitivity Accuracy < 3% (5 DIV at the center of display)
- Vernier Vertical Sensitivity Continuously variable to 1 / 2.5 or less panel-indicate value
- Bandwidth(-3dB) DC ~ 100MHz (2mV/DIV : DC ~ 20MHz)
- Rise Time 3.5nS (2mV/DIV : 17.5 nS)
- Signal Delay Leading edge can be monitored
- Max. Input Voltage 400V (DC+AC peak) at 1kHz or less
- Input Coupling AC, DC, GND
- Input Impedance 1M Ω [+2%/ approx. 25pF
- Vertical Mode CH1, CH2, DUAL (CHOP/ALT), ADD, CH2 INV.
- Bandwidth Limited 20MHz
- Common-Mode Rejection Ratio 50 :1 or better at 50kHz
- Dynamic Range 8 div at 60MHz; F5 div at 100MHz (GOS-6112)
- 8 div at 100MHz (GOS-6103/GOS-6103C)
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- HORIZONTAL SYSTEM
- Horizontal Modes MAIN (A), ALT, DELAY (B)
- A(main)Sweep Time 50nS ~ 0.5S / DIV, continuously variable (UNCAL)
- B(delay)Sweep Time 50nS ~ 50mS / DIV
- Accuracy + 3% (+ 5% at x 10 MAG)
- Sweep Magnification x 10 (maximum sweep time 5nS / DIV)
- Hold Off Time Variable
- Delay Time 1 μ S ~ 5S
- Delay Jitter Better than 1:20000



- Alternate Separation Variable
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- TRIGGER
- Trigger Modes AUTO, NORM, TV
- Trigger Source CH1, CH2, LINE, EXT
- Trigger Coupling AC, DC, HFR, LFR
- Trigger Slope "+" or "-" polarity or TV sync polarity
- Trigger Sensitivity Mode
- Frequency
- INT
- EXT
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- AUTO
- 10Hz~20MHz
- 0.35 DIV 50 mV
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- 20MHz~100MHz
- 1.5 DIV 150 mV
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- NORM
- DC~20MHz
- 0.35 DIV
- 50 mV
-
- 20MHz~100MHz
- 1.5 DIV
- 150 mV
-
- TV
- sync signal



- 1 DIV
- 200 mVpp
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- TV Sync TV-V, TV-H
- Max. External Input Voltage 400V (DC+AC peak) at 1kHz
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- External Input Impedance 1M Ω + 5%, // approx. 25pF
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- X-Y OPERATION
- Mode X-axis :selectable CH1, CH2, EXT
- Y-axis :selectable CH1, CH2, CH1 and CH2
- Sensitivity Accuracy 2mV ~ 5V/DIV+3%; EXT : 0.1V/DIV+ 5%
- X-axis Bandwidth DC ~ 500kHz (-3dB)
- Phase Error 3° or less from DC ~ 50kHz
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- OUTPUT SIGNAL
- Trigger Signal Output Voltage : approx. 25mV/DIV into 50 Ω
- Frequency response : DC ~ 10MHz
- Calibrator Output 1kHz Squarewave, 2Vpp+2%
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- CURSOR READOUT FUNCTION
- Cursor Measurement Function
 Δ GV_i Δ GV%_i Δ GVdB_i Δ GT_iA1/ Δ GT_i Δ GT%_i Δ GC
- Cursor Resolution 1 / 100 DIV
- Effective Cursor Range Vertical : + 3DIV ; Horizontal : + 4DIV
- Panel Setting Display Vertical : V/DIV(CH1,CH2), UNCAL,
 ALT/CHOP/ADD, INV, probe factor, AC/DC/GND



- Horizontal : S / DIV(MTB,DTB), UNCAL, x 10MAG, delay time, HO
- Trigger : source, coupling, slope, level, TV-V, TV-H
- Others : X-Y, lock, save/recall MEM 0-9(GOS-6103/GOS-6103C)
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- AUTO MEASUREMENT FUNCTION (GOS-6103C)
- Parameter Function FREQ, PERIOD, +WIDTH, +DUTY (+ or - polarity selected by trigger slope)
- Display Digits Max. 6-digits, decimal
- Frequency Range 50Hz ~ 100MHz
- Accuracy 1kHz ~ 100MHz : +0.01%_F50Hz ~ 1kHz : +0.05%
- Measuring Sensitivity >2 div (Measuring source selected from CH1 and CH2 as synchronous signal sources)
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- SPECIAL FUNCTION
- TIME/DIV Auto Range Provided (GOS-6103/GOS-6103C)
- Panel Setting Save & Recall 10 sets (GOS-6103/GOS-6103C)
- Panel Setups Lock Provided
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- POWER SOURCE AC 100V / 120V / 230V + 10%, 50 / 60Hz
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- ACCESSORIES Power cord x1,
- Instruction manual x1,
- Probes(10:1/1:1)x2
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- DIMENSIONS & WEIGHT 310(W) x 150(H) x 455(D) mm;FAprox. 9kg
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