

New Generation Analog Oscilloscope

NEW
CE



FEATURES :

- * 2Channels, 4Traces: DC ~ 50MHz(GOS-6051/6050)
DC ~ 30MHz(GOS-6031/6030)
- * 1mV/DIV ~ 20V/DIV
- * CRT Readout
- * Cursor Measurement, 6 Digit Frequency Counter, 10sets Memory for Front Panel Setting Save & Recall (GOS-6051/6031)
- * ALT MAG Function (x 5, x 10, x 20)
- * Vertical Mode Triggering
- * TV Synchronization
- * CH1 Signal Output, Z- axis Input
- * Buzzer Alarm & LED Indicators
- * Compact size(275Wx130Hx370Dmm)and Front Panel Layout Groups for easy to use.

New GOS-6000 Series (50MHz, 30MHz)

SPECIFICATIONS

CRT	Type Accelerating Potential INTEN and FOCUS Illumination Trace Rotation Z-axis Input	6-inch rectangular type with internal graticule; 0%, 10%, 90%, 100% markers. 8x10 DIV(1DIV=1cm) GOS-6051/6050:approx.10kV; GOS-6031/6030 : approx. 2kV Front panel control Provided (GOS-6051/6031) Provided Sensitivity : at least 5V Polarity : positive going input decrease intensity Usable frequency range : DC to 2MHz Max. input voltage : 30V (DC + AC peak) at 1kHz or less Input Impedance : GOS-6051/6050:approx.33kΩ ; GOS-6031/6030 : approx. 47kΩ																								
VERTICAL SYSTEM	Sensitivity and Accuracy Vernier Vertical Sensitivity Bandwidth (-3dB) and Rise Time Maximum Input Voltage Input Coupling Input Impedance Vertical Modes Chop Frequency Dynamic Range	1mV ~ 2mV/DIV ± 5%, 5mV ~ 20V/DIV ± 3%, 14 calibrated steps in 1-2-5 sequence Continuously variable to 1/2.5 or less of panel indicate value <table border="1"> <thead> <tr> <th></th> <th></th> <th>Bandwidth (-3dB)</th> <th>Rise Time</th> </tr> </thead> <tbody> <tr> <td rowspan="2">GOS-6051/6050</td> <td>5mV ~ 20V/DIV :</td> <td>DC ~ 50MHz</td> <td>Approx. 7nS</td> </tr> <tr> <td>1mV ~ 2mV/DIV :</td> <td>DC ~ 7MHz</td> <td>Approx. 50nS</td> </tr> <tr> <td rowspan="2">GOS-6031/6030</td> <td>5mV ~ 20V/DIV :</td> <td>DC ~ 30MHz</td> <td>Approx. 11.7nS</td> </tr> <tr> <td>1mV ~ 2mV/DIV :</td> <td>DC ~ 7MHz</td> <td>Approx. 50nS</td> </tr> </tbody> </table> 400V (DC + AC peak) at 1kHz or less AC, DC, GND 1MΩ ± 2%/approx. 25pF CH1, CH2, DUAL (CHOP, ALT), ADD, CH2 INV Approx. 250kHz GOS-6051/6050:8 DIV at 40MHz, 6DIV at 50MHz; GOS-6031/6030:8 DIV at 20MHz, 6DIV at 30MHz			Bandwidth (-3dB)	Rise Time	GOS-6051/6050	5mV ~ 20V/DIV :	DC ~ 50MHz	Approx. 7nS	1mV ~ 2mV/DIV :	DC ~ 7MHz	Approx. 50nS	GOS-6031/6030	5mV ~ 20V/DIV :	DC ~ 30MHz	Approx. 11.7nS	1mV ~ 2mV/DIV :	DC ~ 7MHz	Approx. 50nS						
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HORIZONTAL SYSTEM	Sweep Time Accuracy Sweep Magnification Maximum Sweep Time (at MAG) ALT-MAG Function	0.2 μs/DIV ~ 0.5s/DIV, 20 steps selectable in 1-2-5 sequence, continuous variable control between steps at least 1 : 2.5 ± 3%, ± 5% at x5 / x10MAG, ± 8% at x 20MAG x5, x10, x20 MAG GOS-6051/6050 : 20ns/DIV (10ns/DIV are uncalibrated) GOS-6031/6030 : 50ns/DIV (10ns/DIV ~ 40ns/DIV are uncalibrated) Available																								
TRIGGER	Trigger Mode Trigger Source Trigger Coupling Trigger Slope Trigger Sensitivity External Trigger Input Hold-off Time	AUTO, NORM, TV VERT-MODE, CH1, CH2, LINE, EXT AC, HFR, LFR, TV-V(-), TV-H(-) " + " or " - " polarity <table border="1"> <thead> <tr> <th></th> <th>20Hz ~ 5MHz</th> <th>5MHz ~ 40MHz</th> <th>40MHz ~ 50MHz</th> </tr> </thead> <tbody> <tr> <td>GOS-6051/6050</td> <td></td> <td></td> <td></td> </tr> <tr> <td>GOS-6031/6030</td> <td>20Hz ~ 2MHz</td> <td>2MHz ~ 20MHz</td> <td>20MHz ~ 30MHz</td> </tr> <tr> <td>CH1, CH2</td> <td>0.5 DIV</td> <td>1.5 DIV</td> <td>2.0 DIV</td> </tr> <tr> <td>VERT-MODE</td> <td>2.0 DIV</td> <td>3.0 DIV</td> <td>3.5 DIV</td> </tr> <tr> <td>EXT</td> <td>200mV</td> <td>800mV</td> <td>1V</td> </tr> </tbody> </table> TV sync pulse more than 1 DIV (CH1, CH2, VERT-MODE) or 200mV (EXT) Input impedance :Approx. 1MΩ//25pF (AC coupling) Max. input voltage :400V (DC + AC peak) at 1kHz Variable		20Hz ~ 5MHz	5MHz ~ 40MHz	40MHz ~ 50MHz	GOS-6051/6050				GOS-6031/6030	20Hz ~ 2MHz	2MHz ~ 20MHz	20MHz ~ 30MHz	CH1, CH2	0.5 DIV	1.5 DIV	2.0 DIV	VERT-MODE	2.0 DIV	3.0 DIV	3.5 DIV	EXT	200mV	800mV	1V
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X-Y OPERATION	Input Sensitivity Bandwidth Phase Difference	X-axis : CH1 ; Y-axis : CH2 1mV/DIV ~ 20V/DIV X-axis : DC ~ 500kHz (-3dB) 3° or less from DC to 50kHz																								
OUTPUT SIGNAL	CH1 Signal Output Calibrator Output	Voltage : approx. 20mV/DIV (with 50Ω terminated) ; Bandwidth : 50Hz to at least 5MHz Voltage : 0.5V± 3% ; Frequency : approx. 1kHz, square wave																								
CRT READOUT	Panel Setting Display Panel Setting Save & Recall Cursor Measurement (GOS-6051/6031) Frequency Counter (GOS-6051/6031)	CH1/CH2 sensitivity, sweep time, trigger condition 10 sets (for GOS-6051/6031) Cursor measurement function : Δ V, Δ T, 1/Δ T Cursor resolution : 1/25 DIV ; Effective cursor range : vertical : ± 3 DIV ; Horizontal : ± 4 DIV Display digits : Max. 6-digits decimal Frequency range : GOS-6051 : 50Hz ~ 50MHz ; GOS-6031 : 50Hz ~ 30MHz ; Accuracy : ± 0.01% Measuring sensitivity :more than 2 DIV (measuring source selected from CH1 or CH2 as synchronous signal sources)																								
POWER SOURCE		AC 100V/120V/230V± 10%, 50/60Hz																								
ACCESSORIES		Power cord x 1, Instruction manual x 1, GLF-190C Probes (10:1/1:1) x 2																								
DIMENSIONS & WEIGHT		275(W) x 130(H) x 370(D) mm; Approx. 7.2kg																								

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ISO-9001 & ISO-14001



S J ELECTRONICS
POWER • TEST & MEASUREMENT

0800 583 44 55

Tel: +44 1536 416 200

Fax: 0800 583 55 66

sales@sjelectronics.co.uk

www.sjelectronics.co.uk