

INTRODUCTION

OS-5030 is a portable Oscilloscope with frequency bandwidth of 0~30MHz and sensitivity of 5mV/DIV~20V/DIV. Equipped with 10:1 probe which makes the sensitivity up to 200V/div. Sweep rate at 0.5S/DIV ~ 0.2μS/DIV on horizontal system. The oscilloscope is easy to operate, and highly reliable. It is an ideal instrument for research, production, education, and development in electronic device or circuitry.

SAFETY PRECAUTION

The instrument is designed and tested in accordance with EN publication 61010, CAT II, Pollution degree II and Overvoltage 600V. The instrument has been tested in accordance to the following EC Directives (EMC):

- EN50082
- EN55011
- EN61000-3-2
- EN61000-3-3

The instrument complies with the requirements of the European Council Directive 89/336/EEC (EMC Directive) and 73/23/EEC (Low Voltage Directive).

TECHNICAL SPECIFICATIONS

VERTICAL SYSTEM

Sensitivity	CH1: 5mV/DIV. ~20V/DIV ±3% CH2: 5mV/DIV. ~20V/DIV ±3%
Trimming Ratio	≥ 2.5:1
Rise Time	≤ 11.8ns
Bandwidth(-3dB)	DC:0~30MHz AC:10Hz~30MHz
Input Impedance	1MΩ ±3%, 30 pF ±5pF
Max. Input Voltage	400V pk

TRIGGER SYSTEM

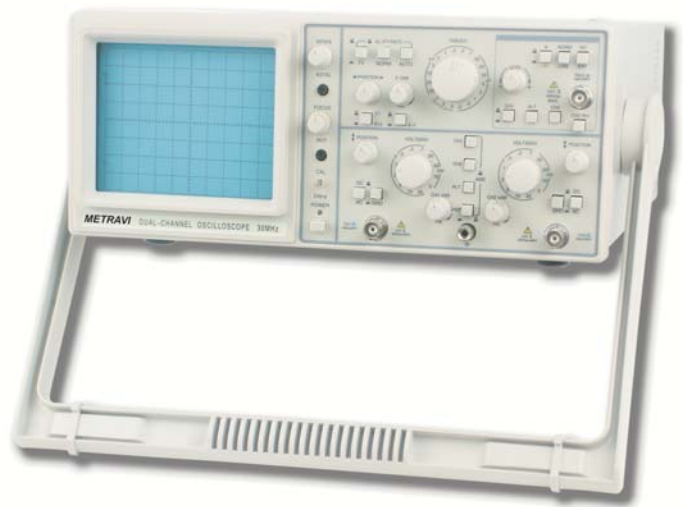
Trigger Sensitivity	Int 1 div., Ext 0.3V
Ext. Trigger Input Impedance	1MΩ 30pF
Ext. Trigger Max. Input Voltage	400Vpk
Trigger Sources	Int, Line, Ext
Trigger Mode	Norm, AUTO, TV

HORIZONTAL SYSTEM

Sweep Time	0.5S / DIV ~0.2mS / DIV ±3%
Trimming Ratio	≥ 2.5:1

X-Y MODE

Sensitivity	0.2V/DIV~0.5V/DIV
Bandwidth(-3dB)	DC: 0~1MHz AC: 10Hz~1MHz



CALIBRATION SIGNAL

Waveform	Symmetric Square Wave
Range	0.2V p-p±2%
Frequency	1kHz ±2%

CRT

Display Area	8 X 10DIV 1DIV=10mm
Accelerating Voltage	2000V
Display Color	Green

POWER SOURCE

Voltage Range	220V-240V 110V-127V
Frequency	60Hz ±2Hz 50Hz ±2Hz
Power Consumption	30W

PHYSICAL FEATURES

Weight	6.5kg
Dimensions (H x W x D)	190 X 130 X 270mm

WORKING ENVIRONMENT

Working temperature	5°C ~ 40°C
Storage Environment	-30°C ~60°C, 10~80%RH
Working Altitude	≤ 2000m

PRESSURE-PROOF TEST

Pressure-proof test	1500V 1min
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*Technical Specifications & Appearance are subject to change without prior notice