

INTRODUCTION

The 2D15P is a 100 MHz, 2CH, desktop-grade 3-in-1 oscilloscope, built-in Multimeter and Signal Generator. Designed for engineering students, DIY electronics enthusiasts, and entry-level labs, it delivers an efficient, intuitive testing experience with rich measurement and analysis functions, offering significant improvements in performance, accuracy, and user experience. Its faster, smarter visual interface boosts productivity. Features a 4.3" touch display with a new, intuitive UI for enhanced interaction. Premium metallic silver-gray design, sleek and modern, appealing to young users. Portable with a built-in 5000 mAh battery, ideal for handheld or desktop use.



FEATURES

- 100 MHz bandwidth, 500MSa/s, 2CH Phosphor 3 in 1 oscilloscope
- Built-in 10 MHz waveform generator with 9 waveform outputs
- Built-in 4½-digit 20000-count True RMS digital multimeter
- Up to 1200fps waveform capture rate for effective abnormal signal detection
- Supports 6 math operations and 13 measurement parameters
- Physical buttons and 4.3-inch capacitive touchscreen
- 5 hours battery endurance built-in 5000 mAh battery
- Languages: English / Chinese



3 IN 1 | 100MHz | Desktop Oscilloscope Multimeter

2D15P OSC • DMM • SG
[4.3" IPS] Touchscreen

- 2CH | 500MSa/s
- 19,999 | TRMS
- 10MHz DDS SG



Multimeter Applications



Capacitance	Resistance	Continuity	Diode
DC Voltage	DC Voltage	DC Current	AC Current

Versatile Applications



Development Engineering



Equipment Maintenance



Research & Education



Field Testing

Oscilloscope Function



LIN Bus: Troubleshoot Communication Issues



Audio: Catch distortion & drift instantly



Power: See ripples, drops, and glitches fast

TECHNICAL SPECIFICATIONS

Oscilloscope

Bandwidth	100 MHz	Channels	2 CH
Sample Rate	500 MSa/s	Memory Depth	10K, 100K, 1M(Adjustable)
Input Impedance	1 MΩ	Vertical Sensitivity	10mV/div-10V/div
Time Base	50ns/div-50s/div	Bandwidth Limit	20 MHz
Max Input Voltage	800 V(×10 Probe)	Trigger Mode	Auto, Normal, Single
Display Mode	Dot, Vector, Color Temp	Afterglow	min/2s/5s/10s/20s/50s/∞
Waveform Math	6 Basic Ops	Waveform Capture & Save	✓
Waveform Export	✓	Cursor Measurement	✓
Waveforms	Freq, Period, +Duty, -Duty, +Width, -Width, Rising Edge Count, Falling Edge Count, RMS, Avg,Vpp, Max and Min; 13 types		

Waveform Generator

Max Frequency	10 MHz	Channel	1 CH
Amplitude	0.1-3.0 Vpp	Duty Cycle	0-100%
Waveform Types	Sine, Square, Triangle, DC, Noise, Half-wave, Full-wave, Positive Staircase, Negative Staircase; 9 types		

Digital Multimeter

Reading Resolution	4½	Display Counts	20000 Counts
DC Voltage	1.9999V/19.999V/199.99V/1000V	AC Voltage	1.9999V/19.999V/199.99V/750.0V
DC Current	19.999mA/199.99mA/1.9999A/9.999A	AC Current	19.999mA/199.99mA/1.9999A/9.999A
Resistance	199.99Ω/1.9999kΩ/19.999kΩ/199.99kΩ/1.9999MΩ/19.999MΩ		
Capacitance	999.9uF/99.99uF/9.999uF/999.9nF/99.99nF/9.999nF ; 9.999mF/99.99mF		
Diode	✓	Continuity	✓

GENERAL CHARACTERISTICS

Display	4.3-inch Capacitive Touchscreen	Battery	3.7V/5000 mAh Lithium Battery
Product Color	Black & Grey	Product Net Weight	602g
Product Size	196*129*57 mm	Standard Carton	57*37*25.5 cm
Carton Gross Weight	12.05kg	Quantity Per Carton	10 PCS
Standard Accessories	Main Device*1, P6100 Probes*2, Test Leads*1, USB Data Cable*1 and User Manual*1		