

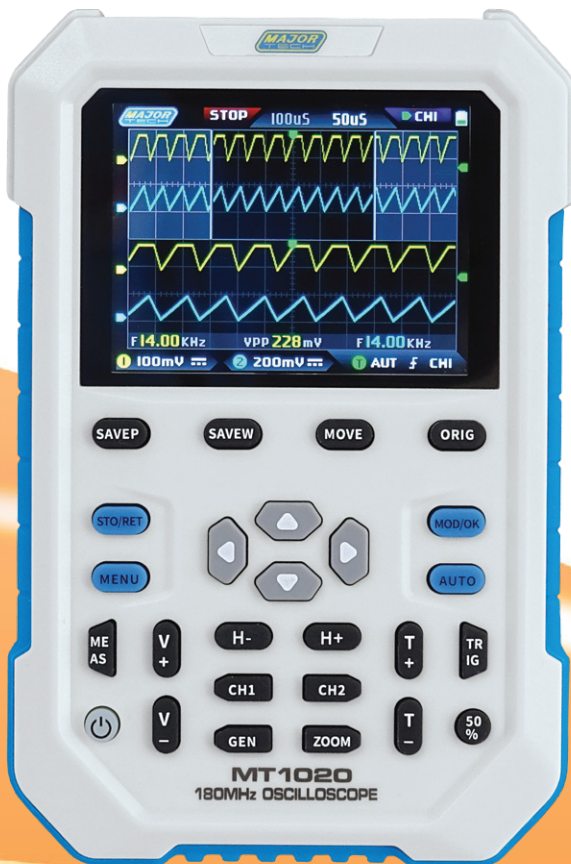


MT1020 180MHz Dual Channel Oscilloscope & Signal Generator

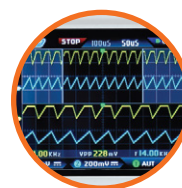
The MT1020 is an affordable handheld dual-channel digital phosphor oscilloscope featuring a versatile two-in-one design with an integrated signal generator. Experience real-time signal analysis with a 500MSPS sampling rate and a broad analogue bandwidth of 180MHz. The device boasts a high-contrast 2.8-inch IPS full-vision LCD screen, enhanced by digital fluorescent technology for a crisp waveform display. The grayscale and colour temperature options provide a visually dynamic experience. Benefit from a rapid waveform refresh rate of up to 50000wfms, facilitating the identification of low-probability abnormal signals. The ZOOM time base simplifies the analysis of digital protocol signals, while the vertical sensitivity as low as 5mV ensures accurate measurement of small 5mVPP signals. The oscilloscope's ultra-high signal-to-noise ratio, sealed shielding, and stable circuit feedback design deliver a clean and clear waveform. Explore advanced features such as adjustable automatic bandwidth limit, adaptive trigger suppression, and digital trigger technology with precise signal capture capabilities. The DDS signal generator offers 14 function signal waveforms, including a customizable chopping waveform. Achieve frequencies up to 20MHz for sine waves and 10MHz for other waveforms. Store up to 500 customized signals with the original chopping output function. Select from three-time base modes—YT, XY, and rolling—and employ manual cursor measurement for precise readings in noisy environments. The data browser allows easy access to saved waveform data and pictures, supporting operations like zooming and moving. Utilize USB data export to connect to a computer for efficient file copying. Enjoy the convenience of 5V 2A fast charging, reaching 80% charge in just one hour. Elevate your signal analysis and measurement capabilities with the MT1020.

Features

- 180MHz Bandwidth with 500MP/s sampling
- 20MHz hardware bandwidth limit, can filter out noise above 20MHz
- ZOOM time base for easy analysis of digital protocol signals.
- Waveform refresh rate of up to 50000wfms
- Three trigger modes: automatic, single, normal
- One-button automatic adjustment, adaptive 25%, 50%, and 75% electric level trigger only take 2 seconds to measure 1VPP/1KHz.
- The original chopping output function can store up to 500 customized signals
- The DDS signal generator has 14 kinds of function signal waveforms
- Save waveforms & screenshots with one key, up to 250 sets of waveform data or 90 pictures
- Built-in 3000mAh large-capacity rechargeable lithium battery, battery life up to 4 hours



Function	Range
Number of Channels	2
Analogue Bandwidth	180MHz
Sampling Rate	500MSPS
Input Coupling	AC/DC
Rise Time	2.5 Seconds
Storage Depth	120Kpts
Input Impedance	1MQ to 18PF
Vertical Sensitivity	5mV to 10V (1X)
Time Base Range	5nS to 50s
Trigger Detection	Digital Trigger
Trigger Mode	Auto / Single / Normal
Trigger Edge	Rising / Falling
Measurement Range	40mV to 80V (1X)
Screenshot Storage	90
Capture Signal	500
Signal Generator	14 standard function signals
Waveform Storage	250 groups
Parameter Measurement	12 kinds
Cursor Measurement	Frequency / Period / Amplitude
Screen Size	71mm/2.3 inch
Screen Resolution	320x240 pixel
Display Technology	IPS Full View
Battery Capacity	3000mAh (Rechargeable)
Standby Time	3.5 Hours on Full Charge
Dimensions	135 x 90 x 40mm



High Definition 2.8"
320x240px LCD



2 Channel Inputs



Non-slip Rubber Grip



Tilt Stand

MT1020 | 180MHz Dual Channel Oscilloscope & Signal Generator

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