

# OMS01 3-IN-1 HANDHELD OSCILLOSCOPE

## OSCILLOSCOPE, MULTIMETER & SIGNAL GENERATOR

JOY-IT

### SPECIAL FEATURES

- ✓ 2-channel oscilloscope, multimeter & signal generator
- ✓ Waveforms can be saved as screenshots
- ✓ Integrated stand
- ✓ Device language in German, English, French, Polish, Portuguese, Swedish & Italian
- ✓ Detailed, enclosed, multilingual instructions
- ✓ Incl. storage bag for device & accessories
- ✓ Extensive accessory set



The OMS01 3-in-1 handheld oscilloscope is the ideal solution for anyone who wants maximum flexibility for both measuring and signal generation. With the integrated two-channel oscilloscope, the precise multimeter and a versatile signal generator, the device combines three essential measuring instruments in a compact form. Thanks to the robust housing and integrated stand, it can be conveniently placed on a table or used on the move.

The bright 2.8-inch display provides clear measurement curves that can be saved as a screenshot in just a few simple steps. Whether measuring voltage, current or temperature - you benefit from a wide range of functions without having to struggle through complicated menus.

The menu navigation is also available in various languages, including German, English and French, which makes operation even easier. With the powerful, USB-C rechargeable lithium battery and the supplied accessory set, you are ideally equipped for almost any measuring task.

The extensive measurement spectrum includes both DC and AC measurements, resistance and capacitance measurements as well as precise temperature detection.

In signal generator mode, the OMS01 generates almost every common waveform so that you always have the right signal to hand when experimenting or troubleshooting. The included storage bag, in which both the OMS01 and the accessories can be safely stored, provides additional mobility and protection for the device.

With this versatile handheld device, you have a powerful companion at your side that offers you effortless professional measurement, diagnosis and testing options - compact, reliable and always ready for use.

## MAIN FEATURES

Display	2.8" (7.11 cm) display (320 x 240 pixels)
Battery	3000 mAh lithium battery (rechargeable via USB-C - 5 V / 1 A)
Integrated device languages	German, English, French, Polish, Portuguese, Swedish, Italian

## OSCILLOSCOPE SPECIFICATIONS

Channels	2
Sampling rate	250 MSa/s
Analog bandwidth	50 MHz (both channels)
Internal memory	32 kB
Impedance	1 M $\Omega$
Time base range	10 ns - 20 s
Vertical sensitivity	10 mV/div - 10 V / div (X1)
Measurable voltage	X1: 80 Vpp (-40 V - 40 V) X10: 800 Vpp (-400 V - 400 V)
Trigger modes	Auto, Normal, Single
Trigger types	Rising edge, falling edge
Coupling	AC, DC
Storage depth	1 Kpts
Display mode	Y-T, rolling, X-Y
Math functions	8 basic operations, FFT

## MULTIMETER SPECIFICATIONS

Voltage measuring range	999.9 V (DC), 750 V (AC)
Measuring range current	0 - 9,999 A (DC & AC)
Measuring range resistance	0 - 19.999 M $\Omega$
Measuring range capacitance	0 - 99.99 mF
Temperature measuring range	Measuring device: -55 - 1300 °C, enclosed probe: -50 - 300 °C
Voltage accuracy	DC: $\pm(0.5 \% + 3 \text{ digits})$ , AC: $\pm(1 \% + 3 \text{ digits})$
Current accuracy	DC: $\pm(1.2 \% + 3 \text{ digits})$ , AC: $\pm(1.5 \% + 3 \text{ digits})$
Resistance accuracy	< 2 k $\Omega$ : $\pm(2.0 \% + 5 \text{ digits})$ , > 2 k $\Omega$ : $\pm(0.5 \% + 3 \text{ digits})$
Capacity accuracy	< 1 mF: $\pm(2.0 \% + 5 \text{ digits})$ , > 1 mF: $\pm(5.0 \% + 20 \text{ digits})$
Temperature accuracy	$\pm(2.5 \% + 5 \text{ digits})$
Further functions	Measurement of diodes, continuity test

## SIGNAL GENERATOR SPECIFICATIONS

Waveforms	Sine, square, sawtooth, half wave, full wave, step wave, reversed step wave, exp. Rise, Exp. Descent, DC, Multi-Audio, Sink Pulse, Lorentz Wave
Output frequency	1 Hz - 50 kHz
Output amplitude	0,1 - 3,0 V

## FURTHER INFORMATION

Weight	300 g
Weight (battery)	49 g
Dimensions	167 x 89 x 35 mm
Article no.	JT-OMS01
Items shipped	JT-OMS01, storage bag, manual, USB-C cable, 2x oscilloscope probe, 2x test probes, 1x test clamp, 1x temperature probe
Customs tariff number	85432000
EAN	4250236827155

