



پتروفرفهان گستر جنوب

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## UTD 1050 DL

The 2-channel DSO UTD1050DL combines the functionality of a high-quality digital oscilloscope with an analogue bandwidth of 50 MHz and a sampling rate of 250 MS/s with a digital multimeter in a mobile, battery or mains-powered measuring device.

### The functions and properties:

- 2-channel DSO with 50 MHz analogue bandwidth, sampling rate 250 MS/s (real-time)
- Extremely easy commissioning with auto setup and auto scale
- High-resolution 8.89 cm / 3.5" colour LCD screen, 320 x 240 pixels, can be switched to b/w display
- High measurement resolution of up to 20 V/Div
- Storage option for screen image (also multimeter)
- Extensive display and analysis functions (FFT) for signal evaluation
- Internal recorder for signal characteristics with playback function
- Cursor control and evaluation functions
- Automatic recording of 19 signal parameters, configurable
- Extensive trigger options: Edge, pulse width, video, slope
- Auto-range digital multimeter (3.75 digit) for AC/DC voltage measurement up to 400 V AC/DC current measurement
- Up to 6 A, resistance measurement up to 40 MOhm, capacity up to 100  $\mu$ F, continuity test, diode test, hold function, relative value measurement
- Built-in On-Screen-Hilfesystem
- Isolated USB port
- Mains and battery operation (integrated, replaceable Li-ion battery for up to 8 h operating time)

### Oscilloscope:

Channels: 2

Bandwidth: 50 MHz

Sample rate: 250 MS/s Real Time  
Rise time: 7 ns  
Memory depth: 12 kpts  
Vertical sensitivity: 5 mV/div ~ 20 V/div  
Horizontal time basis: 5 ns/div ~ 50 s/div  
Storage form: Bitmap, setup, waveform  
Trigger mode: Edge, pulse, video, slope  
Interface: Mini USB


**Digital multimeter:**

Display: 4000 counts  
DC voltage: 400mV / 4V / 40V /400V  $\pm(1\%+ 5)$   
AC voltage: 400mV / 4V / 40V /400V  $\pm(1.2\%+ 5)$   
DC current: 400 $\mu$ A / 4000 $\mu$ A  $\pm(1.2\%+ 5)$   
40mA / 4000mA  $\pm(1\%+ 5)$   
6A  $\pm(2.5\%+ 5)$   
AC current: 400 $\mu$ A / 4000 $\mu$ A  $\pm(2\%+ 5)$   
40mA / 4000mA  $\pm(1.5\%+ 5)$   
6A  $\pm(2.5\%+ 5)$   
Resistance: 400 Ohm / 4 kOhm / 40 kOhm / 400 kOhm / 4 MOhm  $\pm(1.2\%+ 5)$   
40 MOhm  $\pm(1.5\%+ 5)$   
Capacity: 51.2nF / 512nF / 5.12 $\mu$ F / 51.2 $\mu$ F / 100 $\mu$ F  $\pm(3\%+5)$

Power supply: 100-240 V 50/60 Hz, integrated battery pack  
LCD display: 3.5" full colour display (320x240 pixels)  
Included with delivery: Hand-held oscilloscope, DC adapter, test leads, 2 probes (1:1 / 10:1), 10A current divider, mains cable, power supply, battery pack, USB cable, software, carrying/storage case, user manual (German, English)

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