

ETC M522

60 MHz Dual-channel oscilloscope

- **USB 2.0 and USB 1.1 compatible**
- **Dual channel with 60 MHz bandwidth**
- **Deflection factor: 10mV/div to 5V/div in 1-2-5 sequence**
- **Max real time sampling rate 50 MS/s**
- **Max equivalent sampling rate 5 GS/s**
- **Software for Windows 98SE, Windows ME, Windows 2000 and Windows XP**

The M522 DSO is a member of **Etc Measuring Lab 3 (EML3)** family.

The M522 is a dual channel USB oscilloscope compatible with USB 2.0 and USB 1.1 interface. The ease of installation and connection to computer makes M522 extremely portable. The device is connected to computer using standard USB 2.0 cable and is powered directly from computer. The maximum power consumption of 2.25W makes this instrument highly usable with battery-powered notebooks.

The device inputs are accessible via BNC connectors and are compatible with standard probes (with minimum of 32 pF compensation range). Internal storage (8K per channel) is used as a fast data buffer to store a measured waveform.

The software is the part of the M522 package. In order to keep the device functions up to date, there is a latest version of software available on our website (www.etcsk.com) free of charge. The software provides you with possibility to fully operate the device. All standard features of modern DSOs (hold acquisition process, hold-off, zoom etc.) and many more (saving/loading the waveforms for future use, export to clipboard, printing the results together with scope settings) are available.

The fast data transfer offers extremely rapid display refresh (creating an impression of analog instrument).

Four standard acquisition modes (AUTO, NORMAL, SINGLE, MANUAL) are available. The trigger event is created by dual level triggering system equipped with digital pulse length filter and event counter on each level. The channel A, channel B and the external trigger input can be activated as a triggering system source. The threshold of channel A and channel B trigger is settable in whole range of scope screen. The threshold of external trigger is fixed to about 1.5V and is TTL and CMOS compatible. This sophisticated triggering system allows displaying waveforms with very complicated trigger events (i.e. selected row of the video signal).

The time base in 1:1 display mode (no zoom) is settable from 10ns/div to 100ms/div in sequence of 1-2-5. It is possible to set the time base from 1ns/div to 1.6s/div using different zoom settings.

Installation guide in paper form and detailed user's guide on CD are part of the M522 package. The tool tip help makes software easy to use.

Software works under Windows 98SE, Windows ME, Windows 2000 and Windows XP operating systems. The oscilloscope screen can be resized according to your monitor resolution (minimum 800x600).

The ETC M522 package contains:

- M522 device
- USB cable
- installation guide
- CD with software and user's guide