

PC Oscilloscopes (continued)

M 595 Series



The M595 DSO is a member of Etc Measuring Lab 3 (EML3) family. M595 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 M595 extremely portable.

The device inputs are accessible via BNC connectors and are compatible with standard probes (with minimum of 30 pF compensation range). Internal storage (32k per channel) is used as a fast data buffer to store a measured waveform.

The software is the part of the M595 package. In order to keep the device functions up to date, there is a latest version of software available on our website 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.

| Technical Parameters | | M 595 |
|--|---------|---|
| Memory Size per Channel | | 8K |
| Vertical Sensitivity | | 10mV/div to 5V/div in 1-2-5 sequence |
| Vertical Accuracy | | ± 2% of actual value + 1 pixel |
| Resolution | | 8 bits (0,39%) |
| Frequency Range (-3dB) | | DC: 0-300 MHz AC: 1,6Hz-150 MHz |
| Step Response Rise Time | | max. 2,4 ns |
| Channel Isolation | | min. -60 dB in full frequency range |
| Input Resistance | | 1 MΩ +3 %, -1 % |
| Input Resistance Inaccuracy Adjustment | | Digital for absolute accuracy ± 2% of currentvoltage + 1 pixel |
| Input Capacitance | | 28 pF ± 2pF |
| Zero Setting Accuracy | | ± 2% of range |
| Real Time Sample Rate | | 1 kHz to 1GHz |
| Maximum Input Voltage | | ± 200V at 100 kHz or less |
| Part No. | Ord.No. | |
| o M 595 | 71037 | |

M 774 Series



| Technical Parameters | | M 774 |
|--|---------|---|
| Memory Size per Channel | | 8K |
| Vertical Sensitivity | | 10mV/div to 5V/div in 1-2-5 sequence |
| Vertical Accuracy | | ± 2% of actual value + 1 pixel |
| Resolution | | 8 bits (0,39%) |
| Frequency Range (-3dB) | | DC: 0-150 MHz AC: 1,2Hz-150 MHz |
| Step Response Rise Time | | max. 2,4 ns |
| Channel Isolation | | min. -60 dB in full frequency range |
| Input Resistance | | 1 MΩ +5 %, -2 % |
| Input Resistance Inaccuracy Adjustment | | Digital for absolute accuracy ± 2% of currentvoltage + 1 pixel |
| Input Capacitance | | 30 pF ± 2pF |
| Zero Setting Accuracy | | ± 2% of range |
| Real Time Sample Rate | | 1 kHz to 100 MHz |
| Maximum Input Voltage | | ± 200V at 100 kHz or less |
| Part No. | Ord.No. | |
| s M 774 | 69295 | |

Analog Oscilloscopes

HM 400 Series



Technical Parameters:

- 40 MHz Analog Oscilloscope
- Reference-Class in sensitivity and input voltage range
- 2 Channels with deflection coefficients 1 mV/div...20 V/div., variable up to 50 V/div
- Time Base 0.2 s/div...100 ns/div., with X magnification to 10 ns/div.
- Low noise measuring amplifiers with high pulse fidelity and minimum overshoot
- Peak to peak trigger for stable triggering 0...50 MHz at 0.5 div. signal level (up to 80 MHz at 1 div.)
- Autoset, Save/Recall Memories for 6 instrument settings
- Yt- and XY-Mode with Z-Input for intensity modulation
- Component characterisation with component tester (two terminal network measurement) for use within service etc.
- Low power consumption, no fan

| Type | Ord.No. |
|----------|---------|
| s HM 400 | 70856 |

Oscilloscope Probes

TTLF 312



TTMF 312



| | TTLF 312 | TTMF 312 |
|----------------|--------------|--------------|
| Ranges | 1:1 / 10:1 | 1:1 / 10:1 |
| Max. frequency | 15 / 150 MHz | 20 / 250 MHz |
| Impedance | 1 / 10 MΩ | 1 / 10 MΩ |
| Max. voltage | 600 V | 600 V |
| Cable length | 1,2 m | 1,2 m |

| Type | Ord.No. |
|------------|---------|
| s TTLF 312 | 6296 |
| o TTMF 312 | 4586 |

TTHV 150



TTHV 250



| | TTHV 150 | TTHV 250 |
|----------------|----------|----------|
| Ranges | 100:1 | 100:1 |
| Max. frequency | 300 MHz | 300 MHz |
| Impedance | 100 MΩ | 100 MΩ |
| Max. voltage | 1500 V | 2500 V |
| Cable length | 1,2 m | 1,2 m |

| Part No. | Ord.No. |
|------------|---------|
| o TTHV 150 | 52469 |
| s TTHV 250 | 3756 |