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| General Data | | | Siglent SDS1102CML |
| Display | | 7" (17.78 cm) TFT true color LCD | |
| Resolution | | 480 × 234 Pixel | |
| Size | | 323 × 157 × 135 mm (12.7" × 6.1" × 5.3") | |
| Weight | | 2500 g (5.51 lbs) | |
| Oscilloscope Details | | | Siglent SDS1102CML |
| Channels | | 2 | |
| Real-time sample rate | | 1 GSa/s real time | |
| Bandwidth | | 100 MHz | |
| Sampling mode | | Normal, average, peak detect | |
| Mathematics | | A+B, A-B, A×B, A/B, FFT (Fast Fourier Transform) | |
| FFT windows | | Rectangle, Hanning, Hamming, Blackman | |
| Signal | | | Siglent SDS1102CML |
| Max. Input voltage | | 400 Vrms CAT I | |
| Real-time sample rate | | up to 1 GSa/s real time | |
| Time base | | 5 ns/Div. to 50 s/Div. (Steps 1 - 2.5 - 5) | |
| Memory | | 2 Mpts (1 channel) 1 Mpts (2 channels) | |
| Vertical | | | Siglent SDS1102CML |
| Analog digital converter (A/D) | | 8 bit | |
| Sensitivity range (V/div) | | 2 mV/Div to 10 V/Div. | |
| Displacement range | | ±10 Div. (2 mV - 10 V) | |
| Trigger | | | Siglent SDS1102CML |
| Trigger | | Channel 1, Channel 2, Ext, Ext / 5, AC Line | |
| Signal system and line/field frequency (Video triggering mode) | | Support the NTSC, PAL and SECAM broadcasting systems of any field or line frequency. | |
| Measurement | | | Siglent SDS1102CML |
| Cursor measurement | | Manual, Track and Auto Measure modes | |
| Auto measurement | | Vpp, Vmax, Vmin, Vamp, Vtop, Vbase, Vavg, Mean, Crms, Vrms, ROVShoot, FOVShoot, RPREShoot, FPRESshoot, Rise time, Fall time, Freq, Period, + Wid, - Wid, + Dut, - Dut, BW, LRF, LFR, LFF | |