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| Technical Data | DQ6025 | DQ6052 | DQ6052E | DQ6102E |
| **Display** | | | | |
| Type | 7" rectangle color LCD | | | |
| Backlight intensity | 300cd/m2 | | | |
| Display resolution | 400 horizontal × 240 vertical pixels | | | |
| Display contrast | Adjustable | | | |
| **VERTICAL SYSTEM** | | | | |
| Sensitivity and accuracy | 1mV / DIV~20V / DIV | | | |
| Vertical resolution | 8 bit | | | |
| Width of band (-3dB) | 25MHz | 50MHz | 50MHz | 100MHz |
| Rise time | ≤14ns | ≤7ns | ≤7ns | ≤3.5ns |
| Sing-shot band width | 25MHz | 50MHz | 50MHz | 100MHz |
| Input coupling | DC , GND , AC | | | |
| DC gain accuracy | ±5% (1mV/DIV~2mV/DIV), ±4% (5mV/DIV) ±3% (10mV/DIV~20mV/DIV) | | | |
| Delta voltage Measurement accuracy | ±(3%Rdg+0.05DIV) | | | |
| **HORIZONTAL SYSTEM** | | | | |
| SEC/DIV range | 10ns~50s/DIV | 5ns~50s/DIV | 2ns~50s/DIV | 2ns~50s/DIV |
| Sampling rate range | 500M Sa/s | 500M Sa/s | 1G Sa/s | 1G Sa/s |
| Wave forn interplation | (Sinx)/x | | | |
| Record length | 2 x 512k/channel | | | |
| Memory length | 25k (12.5k per channel) | | | |
| Sampling rate and delay Time accuracy | ±100ppm over any ≥1mS time interval | | | |
| Delta time Measurement accuracy | Single ± (1 sampling interval time+ 100ppm x rdg +0.6ns) Average ± (1 sampling interval time+ 50ppm x rdg +0.4ns) | | | |
| **TRIGGER SYSTEM** | | | | |
| Acquisition Mode | AUTO, Normal, Single | | | |
| Type | Edge,TV, pulse, Width | | | |
| Hold Off Range | 80ns~1.5s | | | |
| MATH | ＋, －, ×, ÷ | | | |
| FFT | | | |
| **ACQUIRE INPUT** | | | | |
| Input couping | DC、AC or GND | | | |
| Input impedance | 1MΩ±2% 20pF±3pF | | | |
| Probe attenuation | 1x、10x、100x、1000x | | | |
| Max.input voltage | 400V (DC + AC peak) at 1KHz or less | | | |
| Channel CMR | Better than 40:1 | | | |
| Channel isolation | Better than 40:1 | | | |
| **DISPLAY** | | | | |
| Persist time | 1s, 2s, 5s | | | |
| STORAGE | Waveform, Setup, Bit | | | |
| RECORDER | Record, Replay | | | |
| **MEASUREMENT** | | | | |
| Cursor | Voltage difference△(V) between cursors | | | |
| Time difference(△T) between cursors | | | |
| Reciprocal of △T in Hz (1/△T） | | | |
| AUTO-Mesure | Vrms, Vavg, Vp-p, Vmax, Vmin, Vtop, Vhigh, Vlow, Vmid, Vamp; period, Freq, Rise, Fall, +Width, +Duty, -Duty, Delay | | | |
| **I/O** | | | | |
| Standard | USB OTG | | | |
| **CALIBRATOR SIGNAL** | | | | |
| Output Voltage | 3V (≥1MΩ load) | | | |
| Output Frequency | 1 kHz | | | |
| POWER SOURCE | 100/240VACrms, 45Hz~440Hz, 50VaMax; CAT II | | | |
| ACCESSORIES | One operation manual,Power cord, USB cable, probe2, Software CD-ROM | | | |
| DIMENSIONS & WEIGHT | 306(W) x 147(H) x 122(D)mm, 2.2kg | | | |