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|-----------------------------|--|--------------|--------------|---------------|------------|
| Model | XDG2100 | XDG2080 | XDG2060 | XDG2035 | XDG2030 |
| Channel | 2 | | | | |
| Frequency Output | 100MHz | 80MHz | 60MHz | 35MHz | 30MHz |
| Sample Rate | 500MSa/s | | | | |
| Vertical Resolution | 14 bits | | | | |
| Waveform | | | | | |
| Standard Waveform | sine, square, pulse, ramp, noise, and harmonic | | | | |
| Arbitrary Waveform | exponential rise, exponential fall, sin(x)/x, step wave, and others, total 150 built-in waveforms, and user-defined arbitrary waveform | | | | |
| Frequency (resolution 1μHz) | | | | | |
| Sine | 1μHz-100MHz | 1μHz-80MHz | 1μHz-60MHz | 1μHz-35MHz | 1μHz-30MHz |
| Square | 1μHz ~ 30MHz | 1μHz ~ 30MHz | 1μHz ~ 30MHz | 1μHz ~ 15MHz | 1μHz-15MHz |
| Pulse | 1μHz ~ 25MHz | 1μHz ~ 25MHz | 1μHz ~ 25MHz | 1μHz ~ 15MHz | 1μHz-15MHz |
| Ramp | 1μHz ~ 3MHz | 1μHz ~ 3MHz | 1μHz ~ 3MHz | 1μHz ~ 3MHz | 1μHz-3MHz |
| Noise (-3dB, typical) | 100MHz | 80MHz | 60MHz | 35MHz | 30MHz |
| Arbitrary Waveform | 1μHz ~15MHz | 1μHz ~15MHz | 1μHz ~15MHz | 1μHz ~15MHz | 1μHz-15MHz |
| Harmonic | 1μHz ~50MHz | 1μHz ~40MHz | 1μHz ~30MHz | 1μHz ~17.5MHz | 1μHz-15MHz |
| Accuracy | ±2ppm, 25°C±5°C | | | | |
| Waveform Length | 2 points - 10M points | | | | |
| Amplitude | | | | | |
| into 50Ω load | 1mVpp ~ 10Vpp (≤ 25MHz) ; 1mVpp ~ 5Vpp (≤60MHz) ; 1mVpp ~ 2.5Vpp (≤100MHz) ; | | | | |
| Modulation | | | | | |
| Type | AM, DSB-AM, FM, PM, ASK, FSK, PSK, BPSK, QPSK, 3FSK, 4FSK, OSK, PWM, SUM | | | | |
| Frequency Counter | | | | | |
| Function | Frequency, period, +width, -width, +duty, and -duty | | | | |
| Frequency Range | 100mHz ~ 200MHz | | | | |
| Frequency Resolution | 7 digits | | | | |
| Input / Output | | | | | |
| Input mode | frequency counter, external modulation input, external trigger input, Internal clock output, external reference clock input / output | | | | |
| Communication Interface | USB Host, USB Device,LAN, RS232(optional) | | | | |
| Mechanical specifications | | | | | |
| Size | 340mm x 177mm x 90mm | | | | |
| Weight | 2.3kg | | | | |