

PeakTech®

Prüf- und Messtechnik

 Spitzentechnologie, die überzeugt



PeakTech® 1240/1245/1255/
1260/1270/1275

Bedienungsanleitung / Operation manual

Digital Oscilloscopes

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|----------------------------|-------------------|------------------------|-----------|-----------------------|-----------------------|-----|--|
| Horizontales System | Messraten Bereich | P 1240 | Dual CH | 0.5 S/s ~ 250 MSa/s | | | |
| | | | Single CH | 0.5 S/s ~ 500 MSa/s | | | |
| | | P 1245 | Dual CH | 0.5 S/s ~ 500 MSa/s | | | |
| | | | Single CH | 0.5 S/s ~ 1 GSa/s | | | |
| | | P 1255 | Dual CH | 0.5 S/s ~ 1 GSa/s | | | |
| | | | Single CH | 0.5 S/s ~ 2 GSa/s | | | |
| | | P 1260 | Dual CH | 0.5 S/s ~ 1 GSa/s | | | |
| | | | Single CH | 0.5 S/s ~ 2 GSa/s | | | |
| | | P 1270 | Dual CH | 0.5 S/s ~ 1.25 GSa/s | | | |
| | | | Single CH | 0.5 S/s ~ 2.5 GSa/s | | | |
| | | P 1275 | Dual CH | 0.5 S/s ~ 1.6 GSa/s | | | |
| | | | Single CH | 0.5 S/s ~ 3.2 GSa/s | | | |
| | | Interpolation | | (sin x)/x | | | |
| | | Max Speicherlänge | P 1240 | Dual CH | ≤Max sampling rate | 10M | |
| | Single CH | | | | | | |
| | P 1245 | | Dual CH | ≤Max sampling rate | 10M | | |
| | | | Single CH | | | | |
| | P 1255 | | Dual CH | ≤500 MSa/s | 10M | | |
| | | | | 1 GSa/s | 10K | | |
| | | | Single CH | ≤1 GSa/s | 10M | | |
| | | | | 2 GSa/s | 10K | | |
| | P 1260 | | Dual CH | ≤500 MSa/s | 10M | | |
| | | | | 1 GSa/s | 10K | | |
| | | | Single CH | ≤1 GSa/s | 10M | | |
| | | | | 2 GSa/s | 10K | | |
| | P 1270 | | Dual CH | ≤500 MSa/s | 10M | | |
| | | | | 1 GSa/s 1.25 GSa/s | 10K | | |
| | | | Single CH | ≤1 GSa/s | 10M | | |
| | | 2 GSa/s 2.5 GSa/s | | 10K | | | |
| P 1275 | Dual CH | ≤400 MSa/s | 10M | | | | |
| | | 800 MSa/s 1.6 GSa/s | 10K | | | | |
| | Single CH | ≤800 MSa/s | 10M | | | | |
| | | 1.6GSa/S 3.2 GSa/s | 10K | | | | |

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| Horizontales System | Scan Geschwindigkeit (S/div) | P 1240 | 5 ns/div~100 s/div, step by 1~2~5 |
| | | P 1245 | 2 ns/div~100 s/div, step by 1~2~5 |
| | | P 1255 | 2 ns/div~100 s/div, step by 1~2~5 |
| | | P 1260 | 1 ns/div~100 s/div, step by 1~2~5 |
| | | P 1270 | 1 ns/div~100 s/div, step by 1~2~5 |
| | | P 1275 | 1 ns/div~100 s/div, step by 1~2~5 |
| | Messrate Sampling / Zeitverzögerungs- genauigkeit | ±100ppm | |
| Interval (ΔT) Genauigkeit (DC~100MHz) | Single: ±(1 Zeitinterval +100ppm×Messwert+0.6ns); Durchschnitt>16: ±(1 Zeitinterval +100ppm×Messwert+0.4ns) | | |

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| Vertikales System | A/D - Wandler | 8 bits Auflösung (2 Kanäle gleichzeitig) | | |
| | Empfindlichkeit | 2mV/div~10V/div | | |
| | Verdrängung | P 1240 | ±10 div | |
| | | P 1245 | ±1V(2mV~100mV); ±10V(200mV~1V); ±100V(2V~10V) | |
| | | P 1255 | | |
| | | P 1260 | | |
| | | P 1270 | | |
| | | P 1275 | | |
| | Analoge Bandbreite | 60MHz, 100MHz, 200MHz, 300MHz | | |
| | Single Bandbreite | Volle Bandbreite | | |
| | Niedrigste Frequenz | ≥5Hz (am Eingang, AC Kopplung, -3dB) | | |
| | Anstiegszeit | P 1240 | ≤5.8ns (am Eingang, typisch) | |
| | | P 1245 | ≤3.5ns (am Eingang, typisch) | |
| P 1255 | | ≤3.5ns (am Eingang, typisch) | | |
| P 1260 | | ≤1.7ns (am Eingang, typisch) | | |
| P 1270 | | ≤1.17ns (am Eingang, typisch) | | |
| P 1275 | | ≤1.17ns (am Eingang, typisch) | | |
| DC Genauigkeit | ±3% | | | |
| DC Genauigkeit (Durchschnitt) | Durchschnitt >16: ±(3% rdg + 0.05 div) für ΔV | | | |

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| Horizontal System | Sampling rate range | P 1240 | Dual CH | 0.5 Sa/s ~ 250 MSa/s | | | |
| | | | Single CH | 0.5 Sa/s ~ 500 MSa/s | | | |
| | | P 1245 | Dual CH | 0.5 Sa/s ~ 500 MSa/s | | | |
| | | | Single CH | 0.5 Sa/s ~ 1 GSa/s | | | |
| | | P 1255 | Dual CH | 0.5 Sa/s ~ 1 GSa/s | | | |
| | | | Single CH | 0.5 Sa/s ~ 2 GSa/s | | | |
| | | P 1260 | Dual CH | 0.5 Sa/s ~ 1 GSa/s | | | |
| | | | Single CH | 0.5 Sa/s ~ 2 GSa/s | | | |
| | | P 1270 | Dual CH | 0.5 Sa/s ~ 1.25 GSa/s | | | |
| | | | Single CH | 0.5 Sa/s ~ 2.5 GSa/s | | | |
| | | P 1275 | Dual CH | 0.5 Sa/s ~ 1.6 GSa/s | | | |
| | | | Single CH | 0.5 Sa/s ~ 3.2 GSa/s | | | |
| | | Interpolation | (sin x)/x | | | | |
| | | Max Record length | P 1240 | Dual CH | ≤Max sampling rate | 10M | |
| | Single CH | | | | | | |
| | P 1245 | | Dual CH | ≤Max sampling rate | 10M | | |
| | | | Single CH | | | | |
| | P 1255 | | Dual CH | ≤500 MSa/s | 10M | | |
| | | | | 1 GSa/s | 10K | | |
| | | | Single CH | ≤1 GSa/s | 10M | | |
| | | | | 2 GSa/s | 10K | | |
| | P 1260 | | Dual CH | ≤500 MSa/s | 10M | | |
| | | | | 1 GSa/s | 10K | | |
| Single CH | | | ≤1 GSa/s | 10M | | | |
| | | | 2 GSa/s | 10K | | | |
| P 1270 | Dual CH | | ≤500 MSa/s | 10M | | | |
| | | | 1 GSa/s 1.25 GSa/s | 10K | | | |
| | Single CH | | ≤1 GSa/s | 10M | | | |
| | | | 2 GSa/s 2.5 GSa/s | 10K | | | |
| P 1275 | Dual CH | | ≤400 MSa/s | 10M | | | |
| | | | 800 MSa/s 1.6 GSa/s | 10K | | | |
| | Single CH | | ≤800 MSa/s | 10M | | | |
| | | 1.6 GSa/s 3.2 GSa/s | 10K | | | | |