

## WSP3312

### Features

- .Apply high performance AVR CPU, LSI and CPLD device high reliability
- .Single time interval and single pulse width measurement
- .Automatic extreme calculate and mathematical statistics for frequency measurement, include mean, maximum, minimum, delta, absolute deviation, relative deviatio(PPM), stand deviation, Allan variance
- .Average measurement function for the accuracy increasing of time interval, pulse width, phase, duty cycle
- .Set time gate totalizing and manual operation totalizing
- .Current value automatically stored, zero data loss
- .Save up to 9 different measurement setups
- .USB, RS232 and centronics printer interface
- .**VFD display, appearance graceful, compact, and operation comfortable**



Technical Data	WSP3312
Function	Measure frequency, time interval , period, frequency ratio, totalize, pulse width, duty cycle, phase , self-calibrate and etc.
Measure frequency range	0.14mHz~50MHz/100MHz(Channel A & Channel B)
Channel C	100MHz~500MHz(WSP3312 I) 100MHz~1.5GHz(WSP3312 II) 100MHz~2.5GHz (WSP3312 III) 100MHz~3GHz (WSP3312 IV)
Input voltage	30mVrms ~ 1.5Vrms (100MHz below) 50mVrms ~ 1.5Vrms (100MHz ~ 1.5GHz) 30mVrms ~ 1Vrms (1.5GHz ~ 3GHz)
Period range	20ns/10ns ~ 7000s, 20ns resolution
Time interval range	40ns ~ 7000s, 20ns resolution
Phase range	0 ~ 359°
PW range	≥20ns,( cycle<100s)
Duty cycle range	1 ~ 99%,( cycle<100s)
Measure accuracy	±2× 10 <sup>-8</sup> /Gate time (s)
Frequency resolution	7.5 digits/Gate time (s)
Totalize capacity	1 × 10 <sup>12</sup>
Couple mode	Channel A, B: AC / DC Channel C: AC
Input impedance	1MΩ / 45pF or 50Ω
Time base stability	10MHz, ≤±1 × 10 <sup>-8</sup> /d
Power supply	110 ~ 127VAC±10%/220 ~ 240VAC±10%, 50Hz±2Hz/60Hz±2Hz
Dimensions (W×H×D)	255 × 100 × 370mm
Weight	3 kg