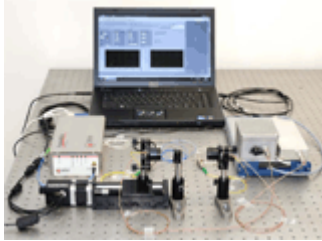


THz 太赫兹时域光谱仪



新势力光电供应太赫兹时域光谱仪(THz time-domain spectrometer), 光谱范围 0.1-2.5THz, 分辨率 2GHz。该系列太赫兹时域光谱仪包括: 飞秒激光器、太赫兹发生器、太赫兹探测器、延迟线、电子元件、操作软件。

| Model | | Fiber coupled THz time-domain spectrometer | THz time-domain spectrometer |
|-----------------|-----------------------|--|---|
| Application | | transmission and reflection measurements | transmission measurement |
| Main parameters | spectral range | 0.1 - 2.5THz | 0.1 - 2.5THz |
| | spectral resolution | 2GHz | 2GHz |
| | S/N-ratio at 0.4 THz | 1000 | 1000 |
| | minimum scan time | 0.5s | 0.5s |
| | THz beam diameter | 12mm | 12mm |
| Components | laser excitation | femtosecond fiber laser with 1060nm wavelength | femtosecond fiber laser with 1060nm wavelength |
| | THz emitter module | fiber-coupled PCA with THz lens PCA-40-05-10-1060-c-f | emitter antenna with THz lens PCA-40-05-10-1060-a-l |
| | THz detector module | fiber-coupled PCA with THz lens PCA-44-06-10-1060-c-f | detector antenna with THz lens PCA-44-06-10-1060-a-l |
| | delay line | delay line with 1ns time delay | delay line with 1ns time delay |
| | electronic components | pulse generator + lock-in detection | pulse generator + lock-in detection |
| | software | Laptop with spectrometer software T3DS | Laptop with spectrometer software T3DS |
| | others | signal amplifier, DAQ-Board | signal amplifier, DAQ device |
| Options | sample holder | substrate holder with manual XY-movement of 50 mm | substrate holder with manual XY-movement of 50 mm |
| | lens | PTFE-lens including mount and post | aspheri silicn substrate lenses, PTFE-lens |