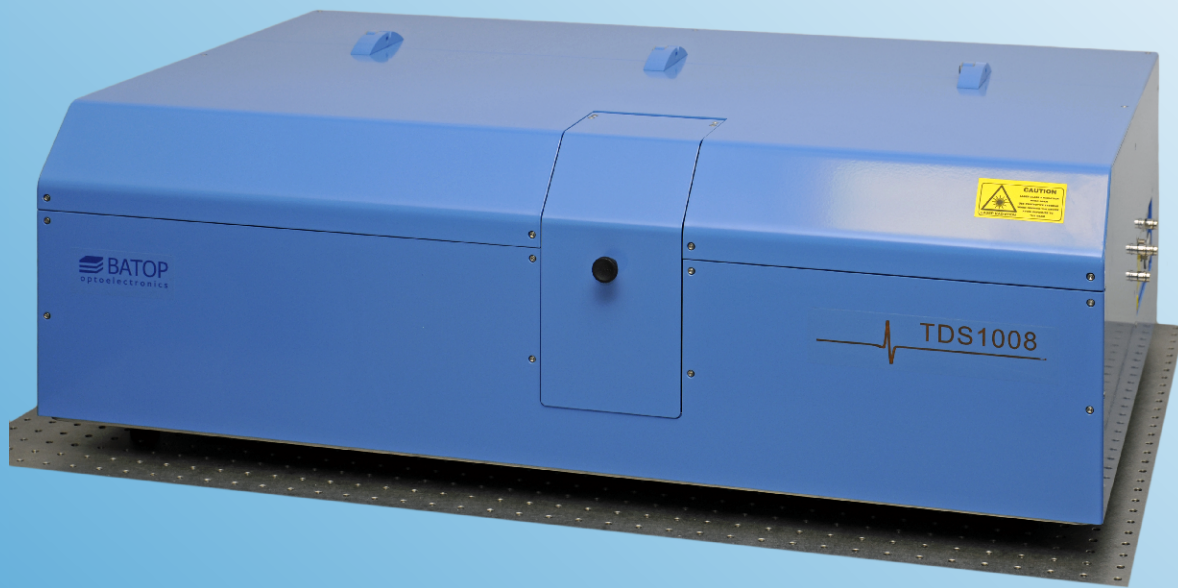


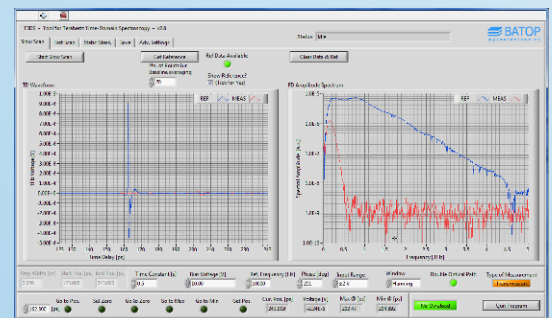
# THz Time - Domain - Spectrometer



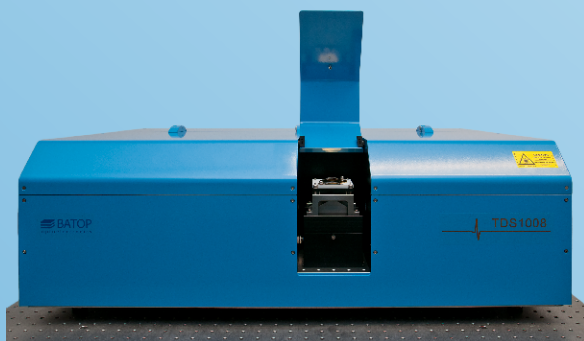
- Bandwidth > 4 THz
- Reflection and transmission measurement stage
- Including notebook with acquisition software T3DS
- Optional: external antennas, fast scanning unit, imaging unit, angular scanning unit, nitrogen purged sample compartment

## Specifications:

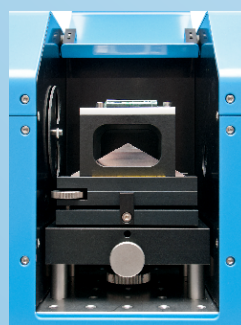
- Spectral range: 50 GHz - 4 THz
- Signal to noise ratio (SNR): >70 dB
- Maximum scan range: 500 ps
- Spectral resolution: 2 GHz (@ scan range 500 ps)
- beam diameter (collimated/focused): 22 mm / 0.5 mm @ 1THz
- Custom parameters on request



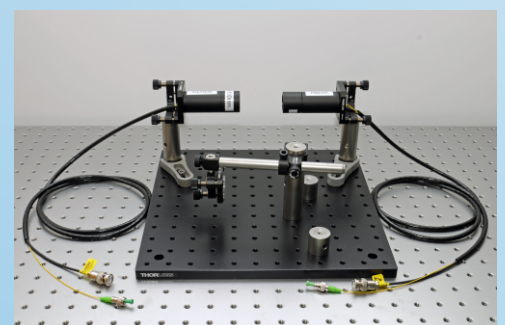
acquisition software T3DS with THz spectra (red glass sample / blue reference)



THz spectrometer with opened sample compartment



reflection measurement stage



external fiber coupled antennas with THz optic for transmission and reflection setup