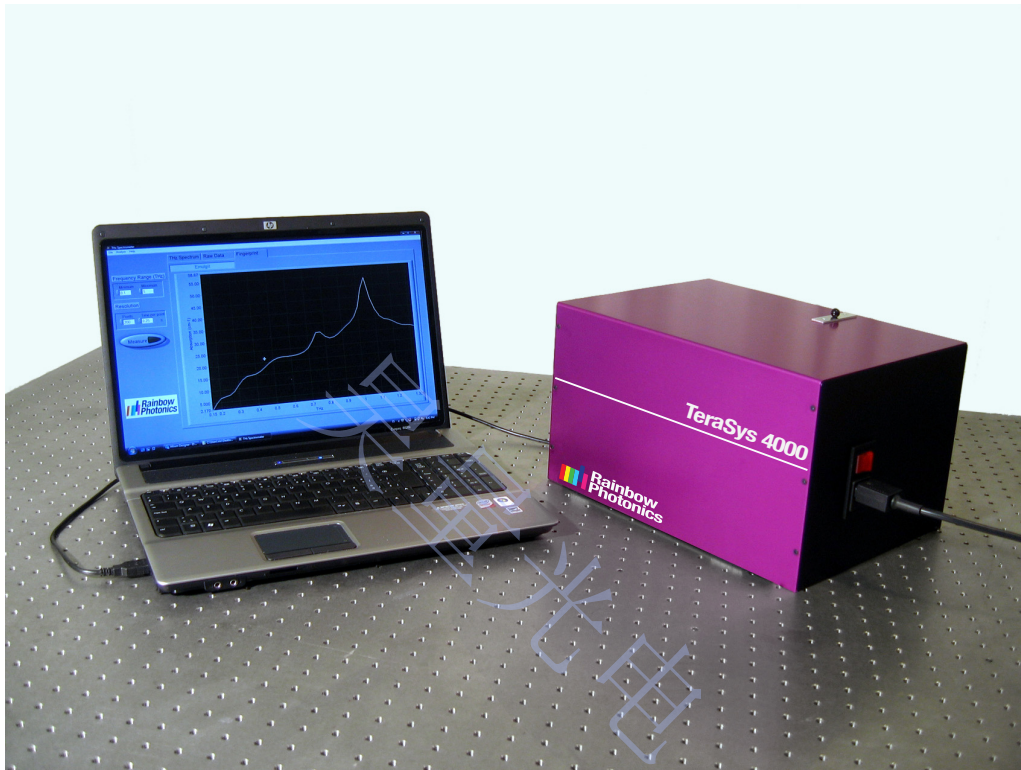


TeraSys 4000

THz System for THz spectroscopy, detection and inspection of materials



Applications:

- security:
 - explosives detection
 - bio agents
 - mail inspection
- materials inspection
 - defects in plastics, artificial joints
 - organic materials
- spectroscopy
 - identification of pharmaceuticals, drugs, etc.

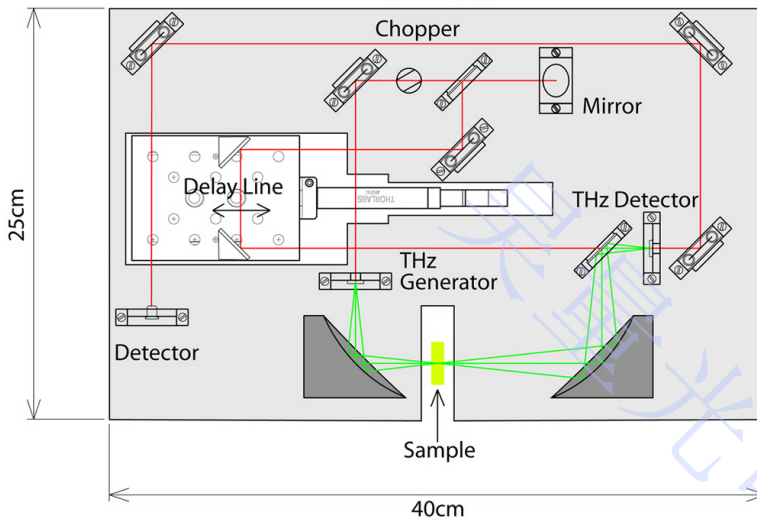
Features:

- turn key operation
- all solid state
- maintenance free
- software package and data base for the detection and identification of dangerous materials

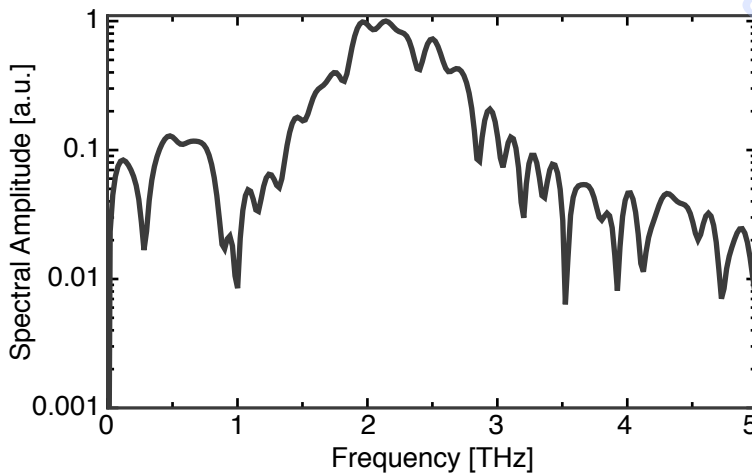
Specification ⁽¹⁾**TeraSys 4000**

Frequency range	0.3 - 4 THz
Output power	> 50 nW
Spectral resolution	< 0.01 THz
Polarisation, linear	> 100 : 1, vertical
Input voltage	110V / 240V, 50 or 60 Hz
Power consumption	< 60 W
Warm-up time	15 min.
Operating ambient temperature	18°C - 30°C
Dimensions	40x25x18 cm ³

⁽¹⁾ Specifications are subject to change without notice



TeraSys 4000 optical set-up



TeraSys 4000 frequency response

Other frequency responses
are available upon request

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