

VOLT IR

TRANSMISSION SPECTROSCOPY ELECTROCHEMICAL CELL

The PhaseTech Transmission Volt IR is a compact sample cell for mid-infrared spectro-electrochemistry in the transmission geometry.

The cell utilizes specially designed, reusable IR-transparent Au plasmonic electrode windows for the application of voltage in a three-electrode electrochemical cell configuration.

APPLICATIONS

- FT-IR spectroscopy
- Time-resolved IR spectroscopy
- 2D IR spectroscopy

DETAILS

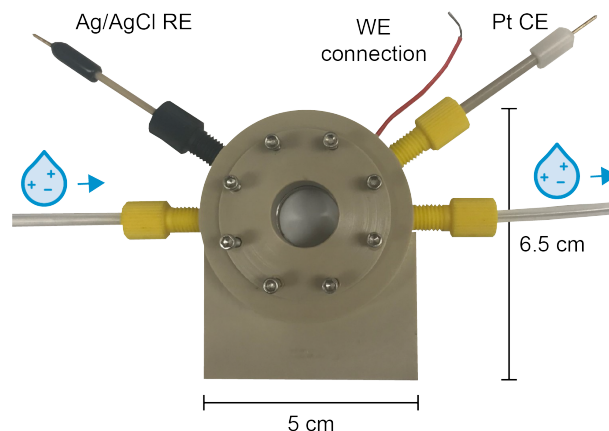
Wavelength Range	1000 to > 4000 cm^{-1}
Plasmonic Enhancement	~ 1150 to 3500 cm^{-1}
Plasmonic Window Reuse	estimated 10 samples
Clear Aperture	0.6 inches
Window Diameter	25 mm
Window thickness	2 mm
Path Length	>12 μm
Approx. Body Size	5 x 6.5 cm

COMPLETE PACKAGE INCLUDES

- Transmission cell
- Five plasmonic working electrode windows
- Platinum counter electrode windows
- Leakless Ag/AgCl reference electrode
- Peristaltic pump & tubing
- Solvent reservoir
- UV Ozinator
- Potentiostat



Monolayer surface-sensitivity!



See more details in:

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We follow a policy of continuous product development. Performance subject to change without notice.