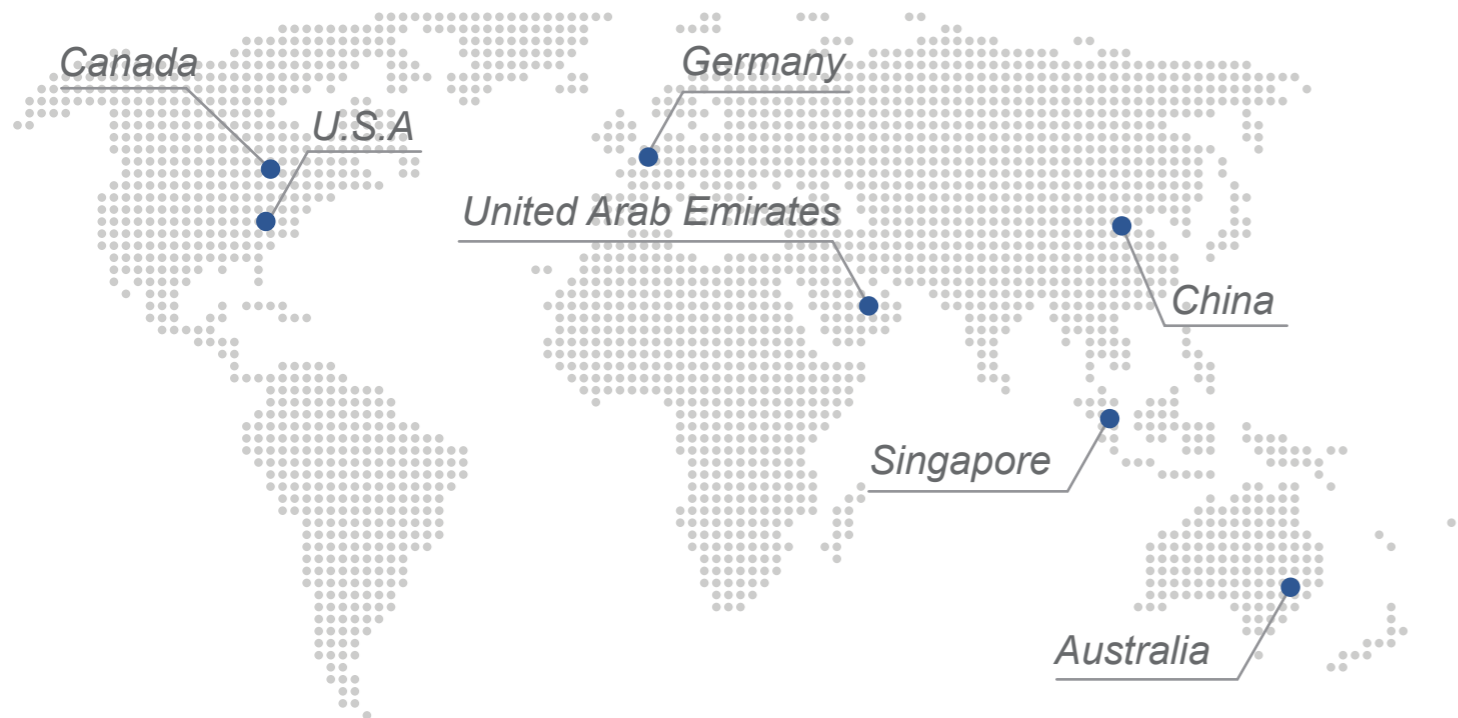


Founded in 2016, CIQTEK is a high-tech enterprise with the quantum precision measurement as its core technology. It is committed to providing products and services for global enterprises and institutions, including core devices represented by enhanced quantum sensors, advanced instruments, analytical test equipment, and technical solutions for enabling industry applications.

The main scientific instruments include Quantum Diamond Atomic Force Microscope (QDAFM), Optically Detected Magnetic Resonance (ODMR) Spectrometer, Electron Paramagnetic Resonance (EPR) spectrometer, Scanning Electron Microscope (SEM), Quantum Diamond Microscope (QDM), Quantum Computing Device, Specific Surface Area (BET), Lock-in Amplifier, and Electron Measurement Instrument.

CIQTEK currently has over 500 employees and is headquartered in Hefei, China, and has branch offices in Beijing, Shanghai, Guangzhou, Chongqing, and Wuxi, China. Through collaboration with its customers, CIQTEK continues to achieve technological innovation in the fields of advanced materials, semiconductors, quantum science, life sciences, medical and clinical research and provides optimal customer support to help explore the future of humanity.

### CIQTEK Global Export Footprint



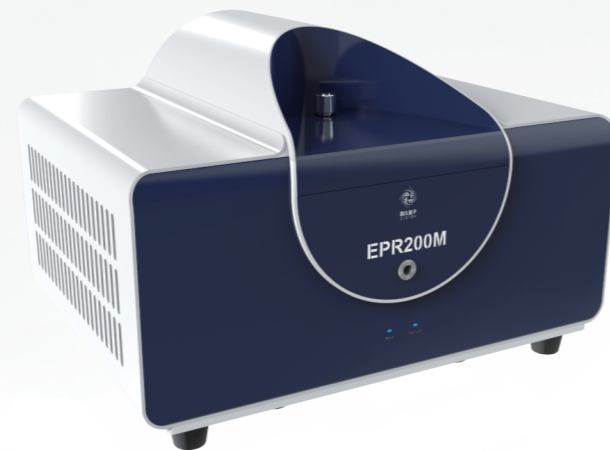
## Electron Paramagnetic Resonance Spectrometer

# Benchtop EPR

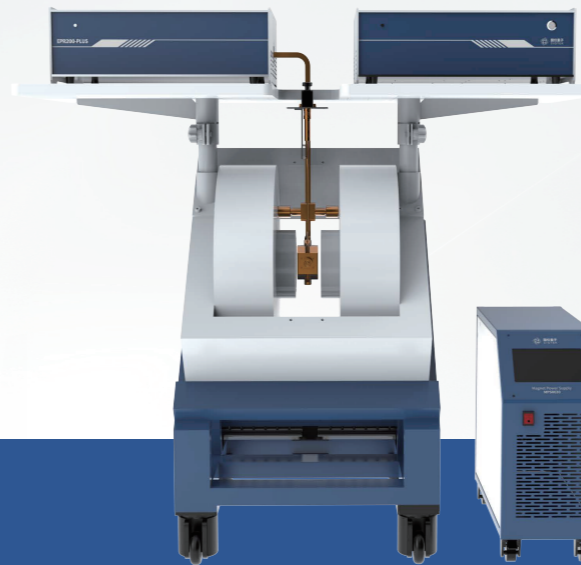
## Electron Paramagnetic Resonance Spectrometer EPR200M

### Technical Details

Parameter	Value
Frequency Range	9.2-9.9GHz
Field Modulation Amplitude	10 Gauss
Magnetic Field Range	6500 Gauss (Max)
Magnetic Field Uniformity in the Sample Area	Better than 50mG
Detection Signal-to-Noise Ratio in Continuous-Wave Mode	Better than 600:1
Absolute Spin Sensitivity	$5 \times 10^9$ spins/(G $\sqrt{Hz}$ )



# Electron Paramagnetic Resonance Spectrometer

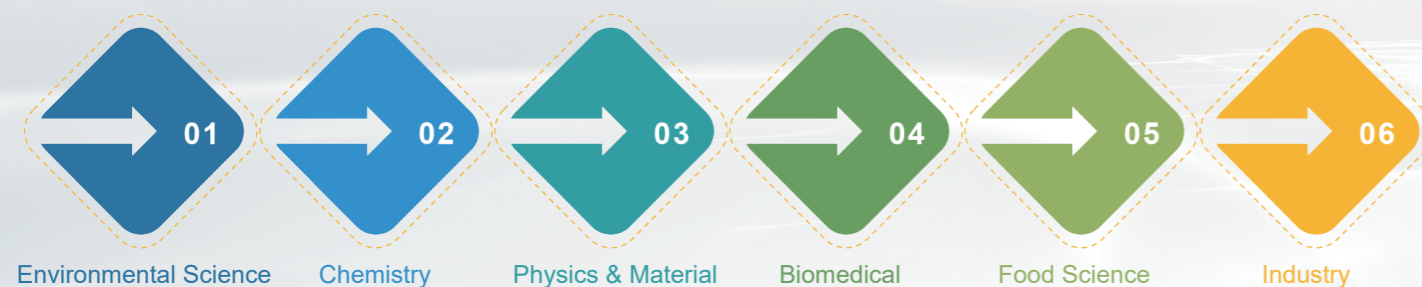


EPR200-Plus
1D magnetic field scanning
2D magnetic field-microwave power scanning
2D magnetic field-modulation amplitude sweep
2D magnetic field-time scanning
Variable temperature experiments
Irradiation experiments

X-Band Continuous Wave Electron Paramagnetic Resonance Spectrometer

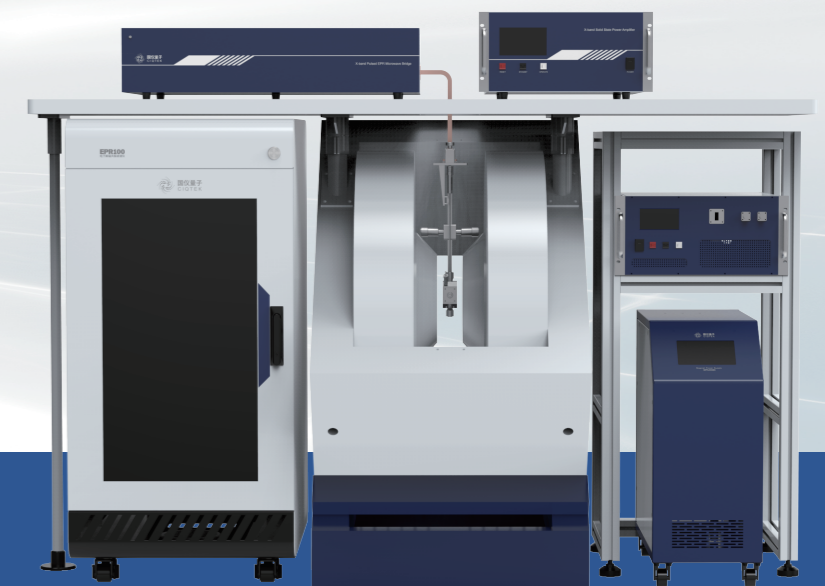
EPR200-Plus <<<

### Applications



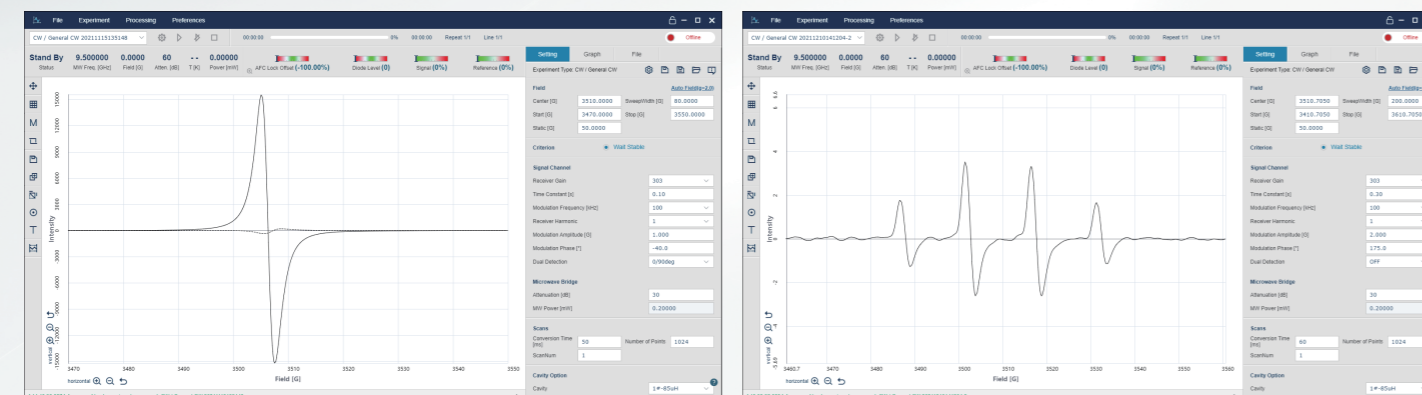
### EPR100

- Equipped with all CW-mode functions of EPR200-Plus
- Spin echo (or FID) measurements
- Relaxation time measurements
- Field sweep echo detection
- DEER/PELDOR experiments
- ENDOR experiments



X-Band Pulse & Continuous Wave Electron Paramagnetic Resonance Spectrometer

>>> EPR100



CIQTEK is a high-tech enterprise with quantum precision measurement as its core technology, originating from the Key Laboratory of Microscale Magnetic Resonance, Chinese Academy of Sciences, University of Science and Technology of China (since 2000). The laboratory focuses on spin quantum control and its applications in novel quantum technologies, including nuclear magnetic resonance (NMR), electron spin resonance (ESR), optically detected magnetic resonance (ODMR), magnetic resonance force microscopy (MRFM), and electrically detected magnetic resonance (EDMR).