



Quantum Sensing by Diamond Magnetometer

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Applications

The dynamics of the NV center allow applications like spin initialization and state readout. Therefore, the center is suitable for quantum sensing applications like magnetic field sensing, spin relaxation time measurements and optically detected magnetic resonance (ODMR).

Due to their scalability, long coherence times and ability for interaction with photons, NV centers are of high interest for research in quantum information processing. Qubits can be defined as spin states of single electron or

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quTOOLS

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Products

Applications

- Demonstration experiments in lectures
- Hands-on experiments for science centers
- Project kits for students' research centers

 Datasheet Inquiry

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