

THINK SMART, THINK SWIN

Applications :

The Swin Hall8800-II Hall effect measurement system combines Hall effect measurement with van der Pauw method four-point measurement to decide the characteristic such as resistivity ρ , carrier concentration N (N Type & P Type), and mobility μ of various material including Si, Ge, SiGe, SiC, GaAs, InGaAs, InP, GaN, ZnO, Graphene etc. at both 300K and 77K for scientific research, education, production applications.

Specifications :

- * Maximum sample size - 5mm x5mm~20mmx20mm
- * Measurement Temperature: 300K
- * Magnet Flux Density: 0.8 Tesla
- * Magnet Stability: 2% over 1 years
- * Uniformity: +/- 1% over 30mm diameter from center
- * Pole Gap: 17 mm
- * Hall voltage range: 1uV to 12V
- * Source current: 1nA to 20mA
- * Resistivity (Ohm-cm): 10⁻⁵ to 10⁷
- * Mobility: (cm²/Volt-sec) 1 ~ 10⁷ (room temperature)
- * Carrier Concentration (cm⁻³): 10⁷ ~ 10²¹



Sample holder



Thin sample holder



Thick sample holder



Low temperature kit



Magnetic kit

3S

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