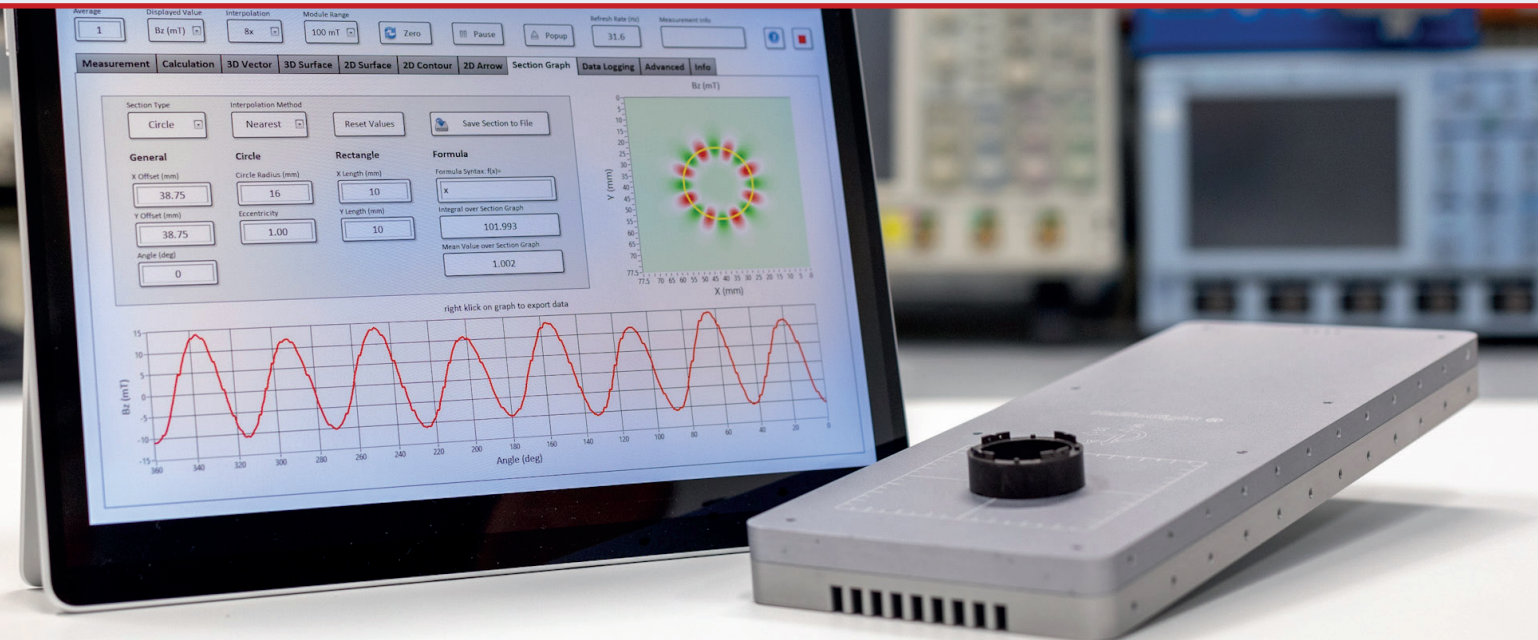


HALL MAGNETIC FIELD CAMERA HALLINSIGHT®

AC&DC TRUE 3-AXIS MAGNETIC FIELD MAPS



Global Market leader for precision magnetometers

HallinSight® is a technology developed by **Fraunhofer Institute for Integrated Circuits** brought to you by **Metrolab**. Easy to use Hall magnetic field camera to map and characterize static or dynamic magnetic fields.



Orthogonality
error < 0.1°



DC or AC
magnetic fields



Field strengths
to 2 T



Resolution
4 μT



3-axis calibration



Dedicated
software



Delivered with a
calibration to 15 mT



USB interface

ABOUT METROLAB

We are the **global market leader** for precision magnetometers.

Established in Switzerland in **1985**, we have won the trust of all the large physics laboratories and all leading players in Magnetic Resonance Imaging, **across the world**.

With Metrolab, you measure magnetic fields with **Swiss precision and quality**.

SYSTEM

MEASUREMENT PRINCIPLE	Hall sensors
MAGNETIC FIELD RANGE	± 100 mT, ± 400 mT, ± 800 mT, ± 2 T
RESOLUTION -no avg.-	4 μ T for ± 100 mT, 96 μ T for ± 2 T
NOISE	30 μ T RMSw
OPERATING TEMPERATURE	10 to 30°C, integrated temperature sensor
MEASUREMENT RATE	Up to 1000 Hz (± 100 mT, single chip)
ABSOLUTE OFFSET ERROR	< 25 μ T (Typical)
ABSOLUTE GAIN ERROR	< 0.5% (Typical)
GEOMETRIC POSITION ERROR	Lateral < 50 μ m ; Vertical < 10 μ m; Orthogonality < 0.1°
COMPUTER INTERFACE	USB with ASCII protocol
SOFTWARE	LabVIEW interface for visualization, analysis, and recording

HallinSight® FAMILY - Probes list

32x32 Hall sensors
 Measurement rate 25 Hz
 Sensor array size 80x80 mm
 Aluminum case 310x110x22.5 mm

16x16 Hall sensors
 Measurement rate 100 Hz
 Sensor array size 40x40 mm
 Aluminum case 200X60x22.5 mm

32x2 Hall sensors
 Measurement rate 250 Hz
 Sensor array size 80x2.5 mm
 PCB 106X15X2 mm

HallinSight® SOFTWARE

OPERATING SYSTEMS	Windows 7 or Windows 10
KEY MEASUREMENT	Output for each measurement point, or subset of array: Bx, By, Bz, Babs, azimuthal angle, polar angle, temperature
OPERATING MODE	Teslameter
ANALYSIS	Calculated Spherical coordinates and field gradient values. Display: 3D vector, and surface plots 2D surface, contour, and arrow plots Section graphs



WARRANTY & RECOMMENDED CALIBRATION

WARRANTY	2 years
CALIBRATION INTERVAL	18 months



Specifications are subject to change; for details and up-to-date specifications, see:
www.metrolab.com/products/hall-magnetic-field-camera-hallinsight/

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