Gauss Meter (Tesla Meter)
Model　HGM-8900 type

- **HGM-8900 type gauss meter is three high-performance channel gauss meter which are most suitable for a three-dimensional magnetic field analysis.**
- **Use the special hall probe that can measure magnetic field of three directions of X-Y-Z at the same time. (X-Y-Z probe)**
- **Each channel is equipped with high-performance circuit without interaction in independent circuit structure.**

Type	HGM-8900	HGM-8900S
Power source	AC100V±10%	
Exciting mode	Synchronous type current switching system	
The smallest resolution	10μT（0.1G）	1μT（0.01G）
Temperature characteristic	－0.06% / deg C（TYP）0～+70℃ (generalization of main unit and probe)	
Operating temperature limits	0～+50deg C (main unit)　-20～+60 deg C (probe)	
Measurement range	20mT, 200mT, 2T, 20T	2mT, 20mT, 200mT, 2T
Measuring frequency	DC～500Hz (average value indication)	
Output voltage	Each range　±5V／F.S	
Polarity display	Light emitting diode (LED) N pole : Red／S pole : Green	
Dimension	293 × 130 × 350mm	
Special consideration	For general magnetic field Three dimensions measurement	For minute magnetic field Three dimensions measurement

エーデーエス

Manufacturer
ADS Co., Ltd
Tokyo, JAPAN

MFC

General Sales Agency
Magnet Force Co., Ltd.

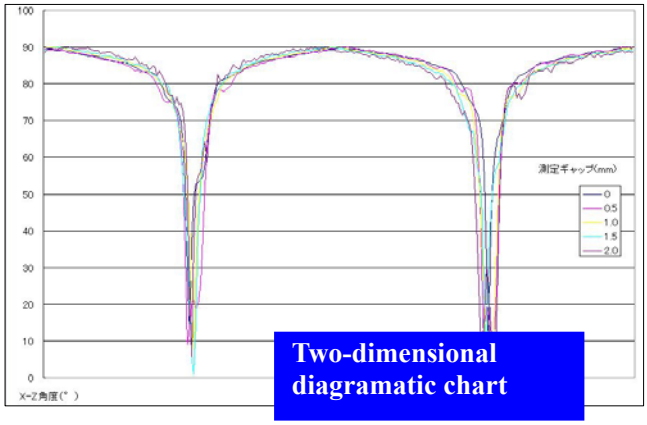
Magnet Force

The example that three dimensions measured the magnetic field which occurred from a magnetizing yoke with X-Y-Z probe.

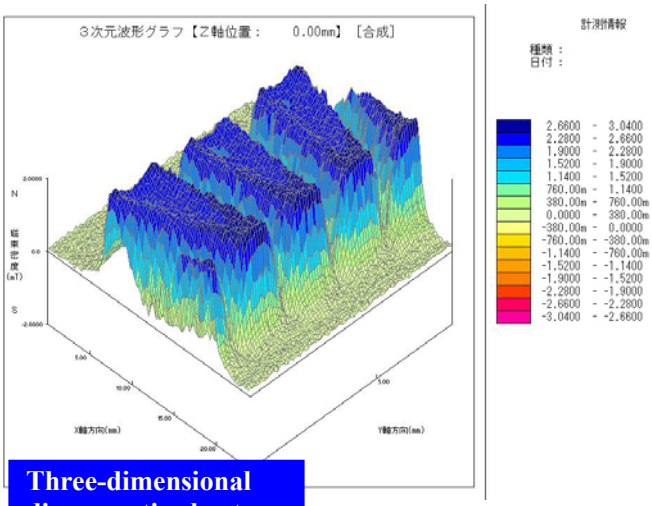
We do design and manufacture of an exclusive magnetic analysis software and X-Y-Z stage-type measuring equipment.

List of data

		測定ギャップ0mm			測定ギャップ0.5mm			測定ギャップ1.0mm			測定ギャップ1.5mm			
測定ポイント	移動距離(mm)	00 X成分	00 Z成分	X-Z角度	05 X成分	05 Z成分	X-Z角度	10 X成分	10 Z成分	X-Z角度	15 X成分	15 Z成分	X-Z角度	20
1	0	0	56.348	90	-0.29297	33.691	89.50178	0.029297	18.76	89.91052	0.15625	10.557	89.15205	0
2	0.02	-0.29297	56.348	89.702105	-0.29297	33.691	89.50178	0	18.73	90	0.087891	10.566	89.52341	0
3	0.04	-0.39063	56.445	89.603488	-0.39063	33.594	89.3338	0.009766	18.682	89.97005	0.11719	10.498	89.36043	0
4	0.06	-0.58594	56.445	89.40525	-0.39063	33.496	89.33185	-0.01953	18.682	89.9401	0.058594	10.449	89.67871	0
5	0.08	-0.78125	56.348	89.20566	-0.39063	33.398	89.32989	0	18.691	90	0.019531	10.4	89.8924	0
6	0.1	-0.87891	56.348	89.106379	-0.29297	33.203	89.49446	0.019531	18.691	89.94013	-0.01953	10.4	89.8924	0
7	0.12	-0.97656	56.055	89.001925	-0.39063	33.105	89.32396	-0.03906	18.584	89.87957	0	10.449	90	0
8	0.14	-0.97656	55.957	89.000177	-0.39063	33.008	89.32197	-0.01953	18.516	89.93956	-0.00977	10.537	89.9469	0
9	0.16	-0.97656	55.664	88.994915	-0.48828	33.105	89.15498	-0.0293	18.486	89.9092	-0.05859	10.508	89.68051	0
10	0.18	-0.97656	55.469	88.991383	-0.48828	33.105	89.15498	-0.14648	18.447	89.54505	-0.04883	10.488	89.73326	0
11	0.2	-1.0742	55.469	88.890562	-0.68359	33.008	88.81358	-0.18555	18.408	89.42249	-0.05859	10.332	89.67507	0
12	0.22	-1.0742	55.469	88.890562	-0.87891	32.91	88.4702	-0.25391	18.262	89.20343	-0.03906	10.225	89.78111	0
13	0.24	-1.1718	55.371	88.787647	-0.97656	32.715	88.2902	-0.2832	18.096	89.1034	0	10.127	90	-0
14	0.26	-1.2695	55.371	88.6866	-0.97656	32.422	88.27476	-0.32227	17.969	88.97252	-0.08789	9.9902	89.49584	-
15	0.28	-1.4648	55.176	88.479282	-0.97656	32.324	88.26953	-0.33203	17.773	88.92974	-0.14648	9.9121	89.15335	-0
16	0.3	-1.6601	55.078	88.273577	-0.97656	31.836	88.24302	-0.35156	17.695	88.86181	-0.14648	9.8046	89.14407	-0
17	0.32	-1.8554	54.688	88.056871	-0.97656	31.445	88.22118	-0.33203	17.598	88.9191	-0.15625	9.746	89.0815	-0
18	0.34	-1.9531	54.199	87.936198	-0.87891	31.152	88.38391	-0.36133	17.49	88.81648	-0.19531	9.7558	88.8531	-0
19	0.36	-2.0507	53.711	87.813484	-1.0742	30.859	88.00634	-0.37109	17.324	88.77288	-0.19531	9.7558	88.8531	-0
20	0.38	-2.1484	53.125	87.684194	-1.0742	30.664	87.99367	-0.37109	17.06	88.75535	-0.21484	9.7265	88.73465	-
21	0.4	-2.246	52.637	87.556694	-1.0742	30.566	87.98725	-0.41992	16.855	88.57285	-0.17578	9.7168	88.96361	-0
22	0.42	-2.246	52.148	87.533811	-1.2695	30.566	87.6217	-0.45898	16.641	88.42011	-0.24414	9.58	88.54017	-0
23	0.44	-2.1484	51.758	87.623089	-1.2695	30.273	87.59871	-0.55664	16.436	88.0603	-0.27344	9.2773	88.31175	-0
24	0.46	-2.246	51.563	87.505866	-1.3671	30.078	87.39759	-0.5957	16.143	87.88666	-0.22461	8.9648	88.56477	-0
25	0.48	-2.246	51.367	87.496361	-1.4648	29.688	87.17533	-0.64453	15.918	87.68132	-0.25391	8.7402	88.33598	-0
26	0.5	-2.4414	51.172	87.268508	-1.5625	29.297	86.94713	-0.67383	15.752	87.55053	-0.26367	8.5253	88.22852	-0
27	0.52	-2.539	50.879	87.143155	-1.6601	28.613	86.67947	-0.63477	15.537	87.66046	-0.32227	8.3398	87.78705	-0
28	0.54	-2.6367	50.488	87.010484	-1.6601	27.93	86.59846	-0.6543	15.381	87.56413	-0.35156	8.2324	87.5547	-0
29	0.56	-2.832	49.902	86.751878	-1.6601	27.246	86.51328	-0.72266	15.166	87.27192	-0.3418	8.2324	87.62251	-0
30	0.58	-2.9296	49.023	86.580088	-1.6601	26.563	86.42385	-0.72266	14.932	87.22923	-0.35156	8.1445	87.52834	-0



Two-dimensional diagramatic chart



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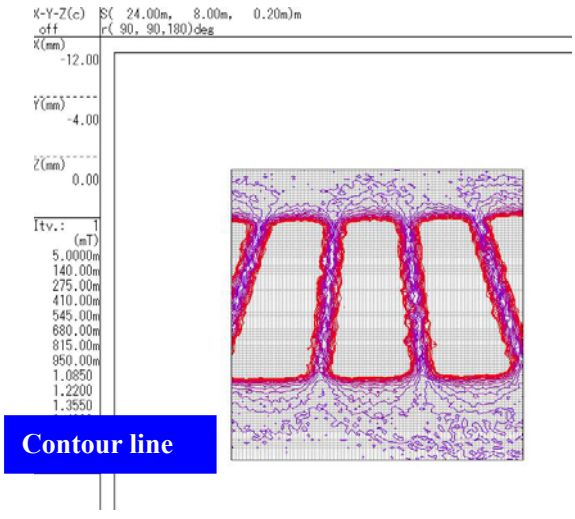

Contour line

Vector representation

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