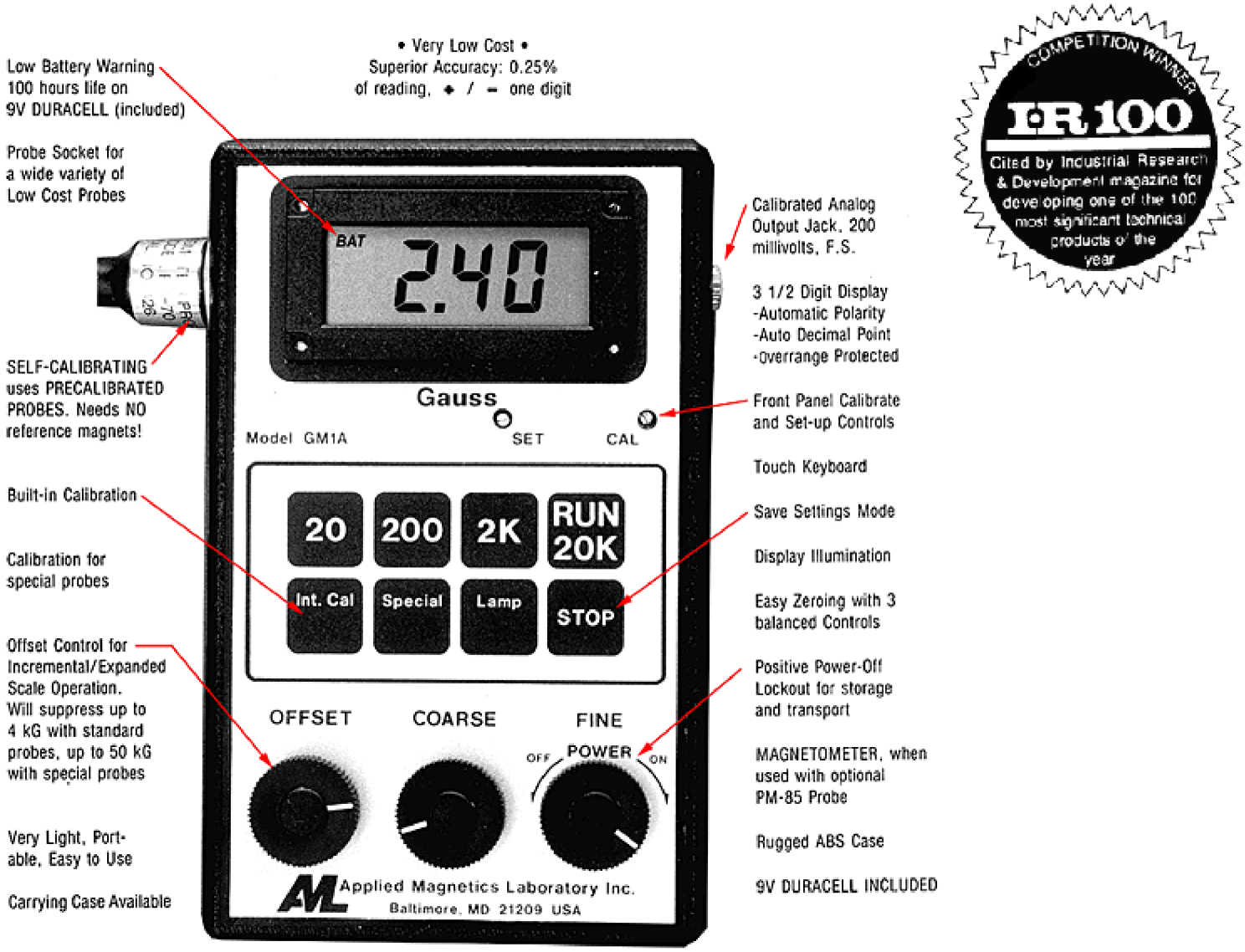
Micropower Hand-held
Gaussmeter for DC fields



This hand-held instrument provides for the accurate, quick, and convenient measurement of magnetic fields. GM1A shows flux density in Gauss ("lines" per sq. cm), including polarity.

GM1A has highly accurate built-in calibration standards, making calibration a simple matter of causing a number stamped on the probe to appear in display, using the simple procedures described in the Owner's Manual. Calibration can then be checked at any time by just pressing a button.

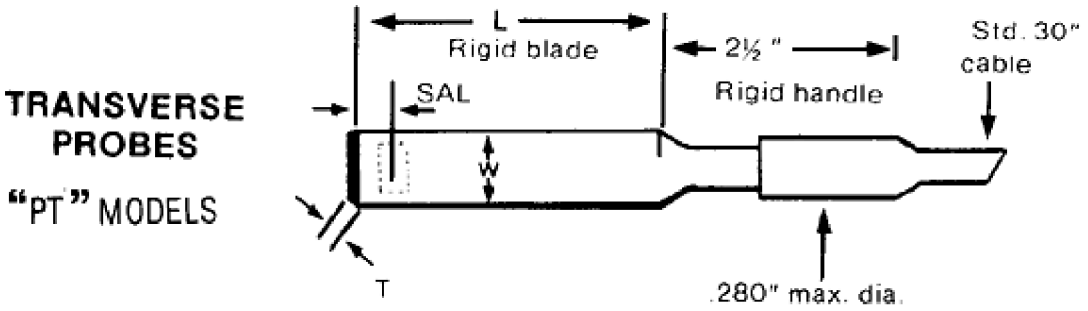
Ranges and functions are quickly selected by using the touch keyboard. Instrument zero is an

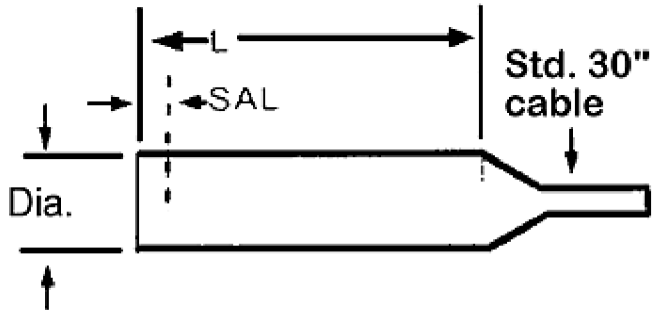
A wide variety of probes for GM1A matches it to a broad range of DC (steady) field applications: · Magnet testing · Incoming quality checks · Classify and calibrate magnets Production magnet sampling · Measure residual fields · Plot field uniformity · Analyze magnetic circuits · Measure differential fields · Measure stray and leakage fields

Repetitive testing is especially easy to set up. Use the OFFSET control to null out a large field (or to preset in a negative field) to be balanced by the tested item. GM1A then shows deviation from the standard directly.

easy matter, using the three proportionally balanced zeroing controls. The OFFSET control is used to null out large fields for Expanded Scale operation. This allows the operator to see small changes within high-level fields – until now a high cost feature.

Using specialty probes, you can plot the Earth's magnetism, inspect packages for air freight shipment (to comply with Federal limits), detect ferromagnetic metals, measure and display magnetic direction, and evaluate material permeabilities.





AXIAL PROBES

"PA" MODELS

Polarity: Probe tip on North pole of a magnet drives instrument positive

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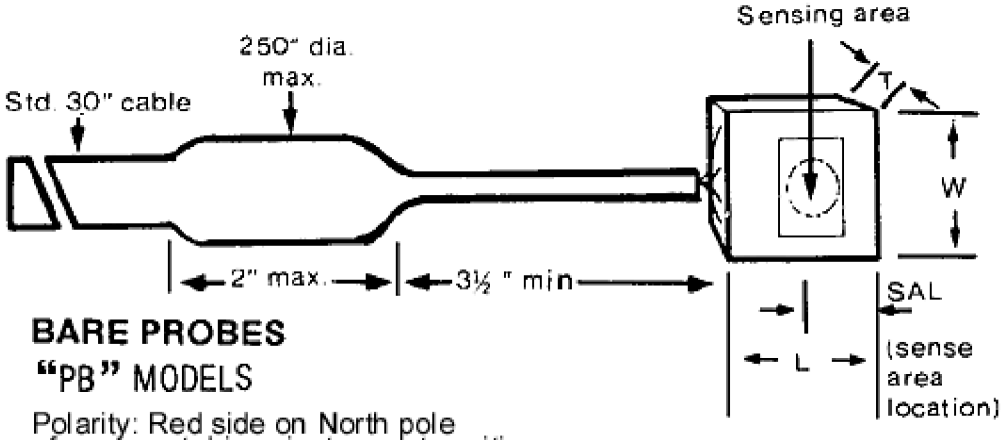
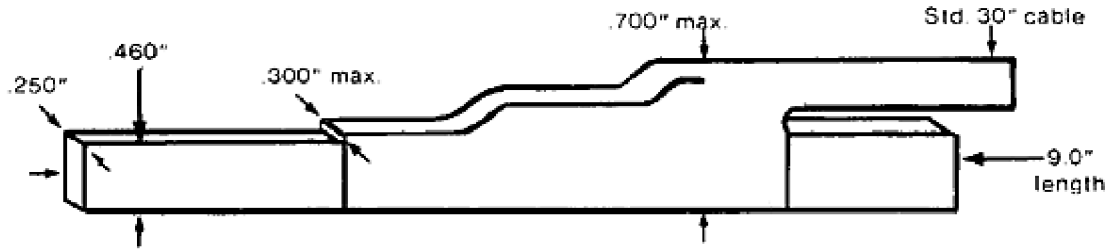


BARE PROBES

"PB" MODELS

Polarity: Red side on North pole of a magnet drives instrument positive.



MAGNETOMETER PROBE
PM 85

Polarity: When free end points to geographic South. instrument reads positive.

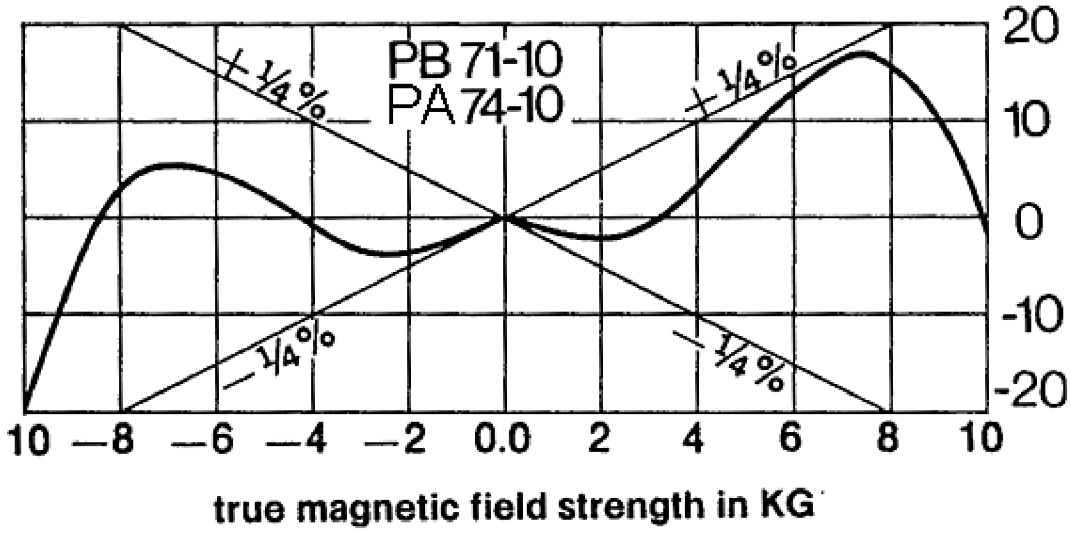
Model	L	W	T	Sal	Sensing Area	Sensitivity Coefficient	Linearity (Max. Error)	Distinguishing Features
PT70	2	.375	.062	.075	.080x.180	-.2%/ °C	1.5% to 10KG	Low cost, Moderate accuracy. Rugged brass enclosure. Very stable, Accurate. Excellent for weak field work. Low drift, Higher accuracy. Rugged brass enclosure.
PT72	2	.275	.115	.100	.050x.075	-.07%/ °C	1% to 20 GAUSS	
PT75	2	.375	.062	.085	.060x.120	-.08%/ °C	1% to 10KG	
PA70	2	.390	DIA.	.025	.080x.180	-.2%/°C	1.5% to 10KG	
PA72	2	.390	DIA.	.025	.050x.075	-.07%/°C	1% to 20 GAUSS	
PA74-10	2	.250	DIA.	.025	.020 DIA.	-.04%/°C	.25% to 10KG	
PA74-30	2	.250	DIA.	.025	.020 DIA.	-.04%/°C	1.0% to 30KG	Low cost, Moderate accuracy. Tough Lexan enclosure. Very Stable, Accurate. Excellent for weak field work. Very accurate, Low temperature drift. Supplied with custom linearity deviation cuve. Rugged ceramic tip.
PB70	.200	.250	.028	.065	.080x.180	-.2%/°C	1.5% to 10KG	
PB72	.200	.200	.082	.100	.050x.075	-.07%/°C	1% to 20 GAUSS	
PB75	.265	.125	.020	.080	.060x.120	-.08%/°C	1% to 10KG	
PB71-10	.62	.235	.043	.180	.040 DIA.	-.04%/°C	.25% to 10KG	
PB71-30	.62	.235	.043	.180	.040 DIA.	-.04%/°C	1% to 30KG	Low cost, Moderate accuracy. Good for tight spaces. Very Stable, Accurate. Excellent for weak field work. Low drift, Accurate. Thin profile, for tight spaces. Very accurate, Low temperature drift. Supplied with custom linearity deviation curve. Ceramic enclosure.
PM85	Magnetometer Probe - See Sketch					-.1%/°C	1% to 1.5GAUSS	Extremely (1000x) sensitive, Rugged, Low cost.

SPECIAL PROBES can be fabricated, or STANDARD PROBES calibrated, to your exact needs. Special Instruments also available.

SC1 SOFT CARRYING CASE: thick, richly padded black vinyl; holds meter, probe, and Owner's Manual. Clips to your belt.

GM1A MICROPOWER GAUSSMETER, 1 year warranty, DURACELL, and complete Owner's Manual included. (Order probe separately.)

SAMPLE LINEARITY DEVIATION CURVES SUPPLIED WITH PB 71 AND PA 71 SERIES PROBE



DEVIATION FROM
TRUE READING IN GAUSS