MAGNETIC PARTICLE INSPECTION INSTRUMENTS


DA750 & DA1500 - Portable Mag units. Heavy duty 750 or 1500 AMP. Available with all accessories.

B300 - A.C. Contour Probe. Available with Y300 Yoke Light. Also available with GFI Plug.

B100 - Our most economical A.C. Contour Probe. Available in 115VAC and 230VAC. May be ordered with the Y400 Yoke Light at extra cost.

BAC310 - Portable, Stand alone Battery Inverted 115VAC Power Supply. Operate A.C. Yokes or other Instruments where normal power sources are unavailable.

B300 - A.C. Contour Probe. Available with Y300 Yoke Light. Also available with GFI Plug.


UW115 & UW12 Underwater A.C. and D.C. Yokes.

PL8 & PL10 - Magnetizing Coils. 8" & 10" I.D. Complete with Carrying Case.

WEB SITE: http://www.parkerNDT.com 1-800-525-3935
MA7000 - Prod Sets, Prod Replacements, Cables
For all Portable Mag Machines

MG01/MG02 - Magnetic Field Strips
Type 1 (G) and Type 2 (A)

KS100A - Ketos Ring - AS5282
Certified

NA16 - Notch Defect Test Bar.
For Compliance with MIL-STD-271
and NAVSEA-TB-T9074...

MG25 - Magnetometers
(20-0-20), (10-0-10) and
others. W/Certs

PM50 - Permanent Magnet Set.
Available with Optional Kit.

PB1 - Magnetic Powder Blower
Apply Mag Powder in any direction.

BIB-150P - 150W Portable UV
Light with guard/stand (115 VAC)

Y300/Y400 - Parker Induction Yoke Lights.
Fits Parker B100, B300 and DA400 Contour Probes.

NA16 - Notch Defect Test Bar.
For Compliance with MIL-STD-271
and NAVSEA-TB-T9074...

MG25 - Magnetometers
(20-0-20), (10-0-10) and
others. W/Certs

PM50 - Permanent Magnet Set.
Available with Optional Kit.

PB1 - Magnetic Powder Blower
Apply Mag Powder in any direction.

BIB-150P - 150W Portable UV
Light with guard/stand (115 VAC)

WEB SITE: http://www.parkerNDT.com 1-800-525-3935
The DA-400 Contour Probe is a portable, self-contained instrument designed to produce a magnetic field on or within ferro-magnetic materials.

The selective AC and pulsed DC functions are built into a single reliable instrument. The AC mode produces an intense AC field for detection of surface defects and demagnetizing after inspection. The DC mode produces an intense pulsed DC field for detection of some sub-surface defects.

Controls and solid-state electronics are contained within the high impact molded housing.

Articulating legs allow the AC or DC field to be applied to the precise area of inspection on nearly any part or surface shape...in the lab, factory or field site.

All Parker Contour Probes comply with the requirements of applicable specifications. Certified for European requirements.

Ask for a demonstration and find out how the Parker Contour Probes can save time and money in your operation.

DA-400 SHOWN WITH “A” KIT ITEMS

Kit Items are available with dry powder and Wet Fluorescent inspection mediums. Including Black Light and Steel Carrying Case.

(1) Versatility and powerful performance in a lightweight (8-pound) instrument.

(2) Constant AC or pulsed DC fields with the flip of a switch; for the location of surface and some sub-surface defects.

(3) Apply continuous or residual magnetic fields and demagnetize too.

(4) Use with dry powder, wet fluorescent or visible.

(5) High impact molded housing.

(6) Y400 Yoke Light available at additional cost.

1-800-525-3935
FIND DEFECTS FAST WITH THE DA-400 SERIES CONTOUR PROBES® FROM PARKER RESEARCH...

Completely portable one-man package for fast, positive, reliable electronic location of defects in ferrous metals

The DA-400 Contour Probe is a rugged high-performance instrument for magnetic inspection to accepted standards of common practice...will quickly locate surface cracks in ferrous materials that can be brought between the pole pieces...and some subsurface defects, too! Finds defects from metal fatigue...wear...stress...overloading...and other causes.

AEROSPACE RELIABILITY This instrument combines advanced techniques in the forming and application of induced magnetic fields...so widely used today in critical industries where reliability and test results are a must.

FAST POSITIVE WITH NO ARC BURNS Selective high energy AC or pulsed DC fields, induced into the work, provide fast positive indications, eliminating high-amperage-arc-burning of work surfaces. Arc burns often become failure defects.

ONE-MAN PACKAGE The Contour Probe Kit is a complete magnetic package that one man takes to the work and easily performs a thorough and reliable inspection in a fraction of the time consumed by large bulky equipment.

PRECISE AREA INSPECTION Powerful magnetic fields are concentrated and applied at the precise area to be inspected.

WIDE VERSATILITY Mechanical flexibility plus selectively controlled solid state electronic features permit a vast field of applications. Mechanically, the Probe will conform to practically any surface configuration. The unique electronic circuitry contained in the molded handle permits selection of a strong constant AC magnetic field, or high intensity pulsed DC field.

DA-400 SHOWN WITH “A/B” KIT ITEMS

SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>DA400</th>
<th>DA400S</th>
<th>A410</th>
<th>A410S</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSICAL</td>
<td>8.5 (216) x 10.25 (260) x 2.25 (57 mm)</td>
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<td></td>
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<tr>
<td>LINE VOLTAGE SINGLE PHASE</td>
<td>115 VAC 50/60 Hz</td>
<td>230 VAC 50/60 Hz</td>
<td>115 VAC 50/60 Hz</td>
<td>230 VAC 50/60 Hz</td>
</tr>
<tr>
<td>LINE CURRENT</td>
<td>4 A</td>
<td>3 A</td>
<td>4 A</td>
<td>3 A</td>
</tr>
<tr>
<td>DUTY CYCLE</td>
<td>2 MINUTES ON – 2 MINUTES OFF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEIGHT</td>
<td>8.5 LBS (3.8 kg)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONSTRUCTION</td>
<td>GLASS FILLED NYLON HOUSING 10 FOOT (3 M) 3 WIRE POWER CORD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPAN</td>
<td>12 IN (305 mm) ACROSS POLES</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>FIELD</td>
<td>AC / DC</td>
<td>AC / DC</td>
<td>AC</td>
<td>AC</td>
</tr>
</tbody>
</table>

“A” Kit Items Include:
- One pound each of Red & Gray Mag Powder, PB-1 Powder Blower, Steel Carrying Case

“A/B” Kit Items Include:
- Same as above, plus one EA140 UV Light and one 12 oz. Aerosol Can Fluorescent Particles

OPTIONAL ACCESSORIES
- MG25 Magneterometer (certified)
- RB1 Powder Removal Bulb
- MG50 Magnetic Pie Gauge
- Y400 Yoke Light

WEB SITE: http://www.parkreshcorp.com

1-800-525-3935

PARKER RESEARCH CORP.
P.O. BOX 1406, DUNEDIN, FLORIDA 34697 USA
Phone: (727) 796-4066, Fax: (727) 797-3941, E-MAIL: sales@parkreshcorp.com
Big Performance in a Small Package

THE B-300 CONTOUR PROBE® FROM PARKER RESEARCH... THE ORIGINALS OF THE FLEXIBLE LEG ELECTROMAGNETIC YOKE QUICKLY LOCATES SURFACE CRACKS... USING DRY POWDER, WET VISIBLE OR FLUORESCENT MATERIALS...

The B-300 Contour Probe is a lightweight (7 1/2 pounds), Magnetic Inspection Yoke designed to perform Magnetic Particle inspections quickly and reliably.

As with the other popular Parker Probes the B-300 has fully adjustable legs which allow the strong AC field to be applied directly to the precise area to be inspected, regardless of part size or mass.

The rugged body/handle assembly is injection molded of the same material used in most heavy duty hand power tools. It is shaped to fit the hand comfortably to reduce operator fatigue.

UNITS ARE AVAILABLE IN 115, 230, 42-48 VAC AND 4-12 VDC. ALL UNITS ARE 00 COMPLIANT.

When required, the B-300 may be operated from the optional DC-300 pulsed DC power supply to provide intense DC magnetic fields.

All B-300 Kits include carrying case, one pound each of red and gray inspection powder, a PB-1 Powder Blower and Y 300 Yoke Light.

The Parker Research Contour Probe Kits, accessories and supplies are available from factory stock or local distributors throughout the U.S. and major foreign countries.

Ask for a demonstration and find out how one of the Parker Contour Probes can save time and money in your operation.

1-800-525-3935

PARKER RESEARCH CORP.
P.O. Box 1406, Dunedin, Florida 34697 USA
Phone: (727) 796-4066 • FAX (727) 797-3941 • E-MAIL: sales@parkreshcorp.com
Completely portable one-man package for fast, positive, reliable location of defects in ferrous metals

**B-300 SHOWN WITH Y300 HIGH INTENSITY YOKE LIGHT**

YOKE LIGHT PROVIDED AT NO CHARGE WHEN ORDERING CONTOUR PROBE KIT.

**ONE-MAN PACKAGE** The B-300 Contour Probe is a complete Magnetic package that one man takes to the work and easily performs a thorough and reliable inspection in a fraction of the time consumed by large bulky equipment.

**PRECISE AREA INSPECTION** Powerful magnetic fields are concentrated and applied to the precise area to be inspected.

**WIDE VERSATILITY** Mechanically, the B-300 Probe will conform to practically any surface configuration. Strong, constant AC fields or high intensity pulsed DC fields, using the DC-300 power supply.

**THE INSTRUMENT THAT DOES SO MUCH, SO WELL** If you do any work with ferrous metals...in the shipyard...aerospace...steel mill...foundry...weldment or vehicle overhaul, you need the performance advantage of the B-300 Contour Probe.

Contour Probe Kits — are available with Dry Powder and Wet Fluorescent inspection mediums, including Black Light, all in one easy to carry case. A truly portable one-man inspection package.

**SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th>B300</th>
<th>B300S</th>
<th>B48</th>
<th>B12D</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSICAL</td>
<td>7 3/8 H x 9 1/4 W x 2 1/8 D</td>
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<td></td>
</tr>
<tr>
<td>LINE VOLTAGE</td>
<td>115 VAC 50/60 HZ</td>
<td>230 VAC 50/60 HZ</td>
<td>42-48 VAC 50/60 HZ</td>
<td>4-12 VDC</td>
</tr>
<tr>
<td>SINGLE PHASE</td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>LINE CURRENT</td>
<td>4 A</td>
<td>3 A</td>
<td>6.5 A</td>
<td>2.5 A</td>
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<td>DUTY CYCLE</td>
<td>2 MINUTES ON - 2 MINUTES OFF</td>
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<td></td>
<td></td>
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<tr>
<td>WEIGHT</td>
<td>7 1/2 LBS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONSTRUCTION</td>
<td>POLYURETHANE FILLED GLASS/ NYLON HOUSING. 8 FOOT/3 WIRE POWER CORD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPAN</td>
<td>0-12 IN. ACROSS POLES</td>
<td></td>
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<td></td>
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</tbody>
</table>

DC 300 POWER SUPPLY AVAILABLE FOR PULSED DC OPERATION ON THE B300 AND B300S MODELS.

**CONTOUR PROBE KITS**

B-300-A INSTRUMENT WITH Y300 Yoke Light 1 lb. ea. Red & Gray Powder P81 Applicator & Carrying Case 16 lbs.

B-300-AB same as above Plus EA140-Hand Held UV Light and 776A-9.5 oz. aerosol can Fluorescent Particles 19 lbs.

**OPTIONAL ACCESSORIES**

MG25 Magnetometer (certified) RB1 Powder Removal Bulb MG50 Magnetic Pie Gauge DC300 Pulsed DC Power Supply
FIND DEFECTS ELECTRONICALLY WITH THE PARKER CONTOUR PROBE®

(1) Versatility and powerful performance in a rugged reliable instrument.

(2) Constant AC or pulsed DC fields with the flip of a switch; for the location of surface and some sub-surface defects.

(3) Apply continuous or residual magnetic fields and demagnetize too.

(4) Use with dry powder, wet fluorescent or visible.

(5) High impact molded housing.

(6) One year repair/replacement guarantee.

- The DA-200 Contour Probe is a portable, self-contained instrument designed to produce a magnetic field on or within ferro-magnetic materials.

- The selective AC and pulsed DC functions are built into a single reliable instrument. The AC mode produces an intense AC field for detection of surface defects and demagnetizing after inspection. The DC mode produces an intense pulsed DC field for detection of some subsurface defects.

- Combined with the flexibility of articulating legs and a rugged molded housing, the Contour Probe can be used on nearly any part or surface contour... in the lab, factory or field site.

DA-200 Contour Probe (115 VAC)
Federal Stock No. 6635-00-022-0372
DA-200S Contour Probe (230 VAC, 50 Hz)
Federal Stock No. 6635-01-073-6844

Your Magnetic Particle Applications need the versatility and reliable performance advantages of the Parker Contour Probe. An industry standard with 35 years of NDT service.

DA200-AB KIT SHOWN

Contour Probe Kits – are available with Dry Powder and Wet Fluorescent inspection mediums, including Black Light, all in one easy to carry case. A truly portable one-man inspection package.

www.parkreshcorp.com 1-800-525-3935

PARKER RESEARCH CORP.
P.O. BOX 1406, DUNEDIN, FLORIDA 34697 USA
Phone: (727) 796-4066 Fax: (727) 797-3941 E-mail: sales@parkreshcorp.com
THE PARKER CONTOUR PROBE

Completely portable one-man package for fast, positive, reliable electronic location of defects in ferrous materials

The Parker Research... Contour Probe is a rugged high-performance instrument for magnetic inspection to accepted standards of common practice... will quickly locate surface cracks in ferrous materials that can be brought between the pole pieces... and some sub-surface defects, too! Finds defects from metal fatigue... wear... stress... overloading.

AEROSPACE RELIABILITY This instrument combines advanced techniques in the forming and application of induced magnetic fields... so widely used today in critical industries where reliability and test results are a must.

FAST POSITIVE WITH NO ARC BURNS Selective high energy AC or pulsed DC fields, induced into the work, provide fast positive indications, eliminating the usual high-amperage-arc-burning of work surfaces. Arc burns often become failure defects.

ONE-MAN PACKAGE The Contour Probe Kit is a complete magnetic package that one man takes to the work and easily performs a thorough and reliable inspection in a fraction of the time consumed by large bulky equipment.

PRECISE AREA INSPECTION Powerful magnetic fields are concentrated and applied at the precise area to be inspected.

WIDE VERSATILITY The mechanical flexibility opens a vast field of applications, allowing the Probe to conform to nearly any surface configuration. The electronic circuitry contained within the molded housing permits selection of a strong constant AC magnetic field, or high intensity pulsed DC field.

The magnetic inspection instrument that does so much, so well. If you work with ferrous metals... in a scientific lab... aerospace... welding... vehicle overhaul, you need the performance advantage of the DA-200 Contour Probe.

SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>DA200</th>
<th>DA200S</th>
<th>A210</th>
<th>A210S</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSICAL</td>
<td>10.5 (266) x 11.0 (280) x 2.75 (70 mm)</td>
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<tr>
<td>LINE VOLTAGE</td>
<td>115 VAC</td>
<td>230 VAC</td>
<td>115 VAC</td>
<td>230 VAC</td>
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<tr>
<td>SINGLE PHASE</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
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<tr>
<td>LINE CURRENT</td>
<td>6 A</td>
<td>4 A</td>
<td>8 A</td>
<td>3 A</td>
</tr>
<tr>
<td>DUTY CYCLE</td>
<td>2 MINUTES ON – 2 MINUTES OFF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEIGHT</td>
<td>13 LBS (5.9 kg)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONSTRUCTION</td>
<td>GLASS FILLED NYLON HOUSING</td>
<td>10 FOOT (3 M) 3 WIRE POWER CORD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPAN</td>
<td>18 IN (457 mm) ACROSS POLES</td>
<td></td>
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<tr>
<td>FIELD</td>
<td>AC / DC</td>
<td>AC / DC</td>
<td>AC</td>
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</tbody>
</table>

CONTOUR PROBE KITS

DA 200-A INSTRUMENT WITH
1 lb ea. Red & Gray Powder
PB1 Applicator & Carrying
Case
DA 200-AB same as above
Plus EA140-Hand Held UV Light
and 778A-9.5 oz. aerosol can
Fluorescent Particles

OPTIONAL ACCESSORIES

MG25 Magnetometer (certified)
RB1 Powder Removal Bulb
MG50 Magnetic Pie Gauge

www.parkreshcorp.com

1-800-525-3935

PARKER RESEARCH CORP.
P.O. BOX 1406, DUNEDIN, FLORIDA 34697 USA
Phone: (727) 796-4056 Fax: (727) 797-3941 E-mail: sales@parkreshcorp.com
Parker’s portable magnetizing coils are designed for magnetic particle inspection of ferrous metal parts. The coils allow for the use of either dry powder or wet fluorescent inspection media and may be used for demagnetizing as well.

The coils are molded in a tough, black polyurethane and comes equipped with a foot switch and 10' (3.048 m) neoprene power cord. The sealed electrical connection box has a 2" (50.8 mm) X 5" (127.00 mm) flat base allowing the coil to stand in a vertical position.

The PL-8, PL-10, PL-8PDC, and PL-10PDC operate from a standard 115VAC, 60 Hz single phase grounded power source.

The PL-8S and PL-10S are for use on 230VAC 50-60 Hz single phase grounded power source. The PL-8S and PL-10S are sold without power cord plugs. Only locally approved plugs should be used and installed by certified personnel. Using an approved GFCI is recommended.

### Specifications

<table>
<thead>
<tr>
<th>Model No.</th>
<th>PL-10</th>
<th>PL-10S</th>
<th>PL-10PDC</th>
<th>PL-8</th>
<th>PL-8S</th>
<th>PL-8PDC</th>
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<tbody>
<tr>
<td>Inside Dia.</td>
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<td>9 7/8&quot;</td>
<td>9 7/8&quot;</td>
<td>8&quot;</td>
<td>8&quot;</td>
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<tr>
<td>Outside Dia.</td>
<td>14 1/2&quot;</td>
<td>14 1/2&quot;</td>
<td>14 1/2&quot;</td>
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<td>11 1/2&quot;</td>
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<td>2 1/4&quot;</td>
<td>2 1/4&quot;</td>
</tr>
<tr>
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<td>230 VAC</td>
<td>115 VAC</td>
<td>115 VAC</td>
<td>230 VAC</td>
<td>115 VAC</td>
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<tr>
<td>Turns</td>
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<td>60 Hz</td>
<td>60 Hz</td>
<td>50 Hz</td>
<td>60 Hz</td>
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<tr>
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<td>9.6</td>
<td>5A</td>
<td>12</td>
<td>8.1</td>
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<td>Amp-Turns (air)</td>
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<td>4080</td>
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<td>3252</td>
<td>4212</td>
<td>2,080</td>
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<tr>
<td>Weight</td>
<td>14 7/8 LB</td>
<td>14 7/8 LB</td>
<td>13 7/8 LB</td>
<td>9 7/16 LB</td>
<td>9 7/16 LB</td>
<td>8 7/16 LB</td>
</tr>
</tbody>
</table>
General safety rules.
Always wear eye protection
Please read all instructions. Failure to follow all instructions listed below may result in serious injury. If the equipment is used in a manner other than as specified in these operating instructions, the protection provided by the equipment may be impaired.

Operating & Environmental conditions
Operating temperature: 32°F (0°C) degrees to 104°F (40°C) degrees. Relative Humidity 10% to 95% non-condensing.
Always operate from a grounded power source. Do not operate from a DC output.

General Cleaning
The outside surface of the instrument can be periodically wiped with a clean cloth. Avoid using cleaners such as lacquer thinner, or mineral spirits that could damage the outside polyurethane housing.

Do not abuse the power cords. Never carry the instrument by the cord or attempt to unplug the instrument using the cord.
Always operate the instrument with the standard installed cable. Changing or using a damaged cord can increase the risk of electrical shock. The cord should be checked periodically for any damage.

Do not position the instrument such that it would be difficult to operate the disconnect device (plug) on the end of the power cord.

The outside polyurethane housing should remain intact and solid. Any damage or chipping exposing internal wires is a hazard. Instruments should not be used in this condition. The outside housing should be periodically checked for damage.

Never attempt field service.
All PL series coils should be returned to the factory for repairs.

The coils are designed for a 50% duty cycle, or approximately two minutes on and two minutes off. The coils are equipped with an internal thermal switch. Continuous operation may cause overheating and damage the coil.

OPERATION:
Plug the power cord of the coil into the appropriate outlet. Depress the foot switch. A magnetic pull will be felt by insertion of a ferrous metal object into the center of the coil. Inspection is accomplished by placing the part longitudinally parallel to the axis of the coil, within the coil nearer to the outer circumference. (Fig. 1) Activate the foot switch and apply the inspection medium while the coil is energized. This is referred to as the continuous method and will reveal defects at right angles to the coil or object axis.

When using the wet method, allow the coil to remain energized for approximately two seconds after applying the wet medium. Remove the part for inspection.

To demagnetize a part after inspection, simply place the part within the coil near the outer circumference. While the coil is energized, remove or pull the part approximately two feet (.609 m) away from the coil before turning the coil off. Larger parts may be demagnetized by placing the coil directly over the part and withdrawing the coil in the same manner.

CAUTION
For the correct and safe use of this equipment, proper training of operating personnel to required inspection techniques, specifications and safety requirements is necessary, and is the obligation of the user.
AC YOKE INSPECTION AT REMOTE WORKSITES WITH NO OUTSIDE POWER SOURCE, NO GENERATOR...WITH THE NEW PARKER BAC310 PORTABLE, BATTERY OPERATED AC POWER SUPPLY...

- STAND ALONE BATTERY POWERED AC POWER SUPPLY – FOR AC YOKES
- ON THE SPOT AC POWER – INDEPENDENT OF ANY OUTSIDE POWER SOURCE
- TOTALLY PORTABLE FOR SHOP OR FIELD APPLICATIONS
- PROVIDES FOR COMPLIANCE WITH APPLICABLE SPECIFICATIONS

PARKER RESEARCH CORP.
P.O. BOX 1406, DUNEDIN, FLORIDA 34697 USA
Phone: (727) 796-4066, Fax: (727) 797-3941, E-MAIL: sales@parkreshcorp.com

1-800-525-3935
INSTRUMENT DESCRIPTION: The BAC310 battery operated Inverter/Power Supply is a totally portable, stand alone, 110VAC power source. It will operate any of the Parker or other A.C. Yokes. In addition, the Parker B310PDC (12V) battery operated Contour Probe will operate from the BAC310 by direct connection to the female battery plug.

The BAC310 operates independently from any outside power source. Power is derived from the internal 12VDC battery, which is inverted to 110VAC output through the inverter circuitry. A separate battery charger is provided for overnight charging of the battery. The entire unit is contained within a heavy duty steel case 11-1/2"H x 7-1/2"W x 5-1/2"D and weighs only 28 pounds. The unit may be used in any shop or field application and is ideal in areas where normal A.C. line power is not available or where outside power sources may present a safety concern.

Plug any of the Parker A.C. Contour Probes (yokes) in to the standard BAC310 110V outlet. Be sure that the 12V battery is fully charged. There is nothing else to do. The Contour Probes will function as they would normally from any A.C. power source. Follow operating instructions and procedures for normal A.C. Yoke inspection. All Parker Contour Probes exceed applicable Magnetic Particle inspection requirements.
The B-310 Mini Contour Probe® from PARKER RESEARCH provides greater flexibility and reduced size.

The B-310 Contour Probe is a lightweight (six pounds) Magnetic Inspection Yoke designed to perform Magnetic Particle inspections quickly and reliably, and with greater versatility. The reversible strain relief feature allows the power cord to enter from the rear or top of the unit permitting greater access to small work areas. The overall length of the unit is only 7.25".

As with all the Parker Contour Probes, the B-310 has fully adjustable legs permitting the AC magnetic field to be applied to the precise area of inspection.

The rugged body assembly is injection molded of the same material used in most heavy duty hand power tools. It is shaped to fit the hand comfortably to reduce operator fatigue.

The B-310 is a completely portable inspection instrument that preforms countless on-the-spot inspections quickly and reliably, at minimum cost.

UNITS ARE AVAILABLE IN 115, 230 AND 42-48 VAC. ALL UNITS MAY BE CERTIFIED.

When required, the B-310 may be operated from the optional DC-300 pulsed DC power supply to provide intense DC magnetic fields.

The B-310 Kit includes carrying case, one pound each of red and grey powder, a PB-1 Powder Blower and operating instructions.

Parker Research Contour Probe Kits, accessories and supplies are available from factory stock or local distributors throughout the U.S. and major foreign countries.

Ask for a demonstration and find out how one of the Parker Contour Probes can save time and money in your operation.

1-800-525-3935
THE PARKER B-310 MINI CONTOUR PROBE®

Completely portable one-man package for fast, positive, reliable location of defects in ferrous metals

EXCLUSIVELY from Parker Research... the Mini Contour Probe. A rugged high performance instrument for Magnetic Inspection to accepted standards of common practice... will quickly locate surface cracks in ferrous materials that can be brought between the pole pieces. Find cracks from metal fatigue... wear... stress... overloading... welds... heat-treating, etc.

FAST POSITIVE WITH NO ARC BURNS
Selective high energy AC or pulsed DC Fields (with optional DC 300 Power Supply) induced into the work, provides fast positive indications, eliminating the high-amperage arc-burning of work surfaces. Arc burns often become failure defects.

ONE-MAN PACKAGE The B-310 Contour Probe is a complete Magnetic package that one man takes to the work and easily preforms a thorough and reliable inspection in a fraction of the time consumed by large bulky equipment.

PRECISE AREA INSPECTION Powerful magnetic fields are concentrated and applied to the precise area to be inspected.

WIDE VERSATILITY Mechanically, the B-310 Probe will conform to practically any surface configuration.

THE INSTRUMENT THAT DOES SO MUCH, SO WELL If you do any work with ferrous metals... in the shipyard... aerospace... steel mill... foundry... weldment or vehicle overhaul, you need the performance advantage of the B-310 Contour Probe.

Contour Probe Kits – are available with Dry Powder and Wet Fluorescent inspection mediums, including Black Light, all in one easy to carry package. A truly portable one-man inspection package.

CONTOUR PROBE KITS

B-310-A INSTRUMENT WITH
1 lb ea. Red & Gray Powder
PB1 Applicator & Carrying Case 15lbs.
B-310-AB same as above
Plus EA140-Hand Held UV Light
and 778A-9.5 oz. aerosol can Fluorescent Particles 18lbs.

OPTIONAL ACCESSORIES
MG25 Magnetometer (certified)
RB1 Powder Removal Bulb
MG50 Magnetic Pie Guage
DC300 Pulsed DC Power Supply

SPECIFICATIONS

<table>
<thead>
<tr>
<th></th>
<th>B310</th>
<th>B310S</th>
<th>B142</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYSICAL</td>
<td>7¾ H x 7¾ W x 2¾ D</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LINE VOLTAGE</td>
<td>115 VAC</td>
<td>230 VAC</td>
<td>42-48 VAC</td>
</tr>
<tr>
<td>SINGLE PHASE</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>LINE CURRENT</td>
<td>4 A</td>
<td>3 A</td>
<td>7½ A</td>
</tr>
<tr>
<td>DUTY CYCLE</td>
<td>2 MINUTES ON - 2 MINUTES OFF</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WEIGHT</td>
<td>6 LBS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CONSTRUCTION</td>
<td>POLYURETHANE FILLED GLASS/ NYLON HOUSING, 8 FOOT/3 WIRE POWER CORD</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPAN</td>
<td>0-9 IN. ACROSS POLES</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DC 300 POWER SUPPLY AVAILABLE FOR PULSED DC OPERATION

WEB SITE: http://www.parkershcorp.com

1-800-525-3935

PARKER RESEARCH CORP.
P.O. Box 1406, Dunedin, Florida 34697 USA
Phone: (727) 796-4066 • FAX (727) 797-3941 • E-MAIL: sales@parkershcorp.com
DA-1500 PORTABLE MAGNETIC INSPECTION UNIT

The Parker Research DA-1500 portable magnetic inspection unit provides high output AC or HWDC fields for magnetic particle inspection. Field selection is determined by using the appropriate field cable connector. Current output is infinitely variable from zero to maximum by use of the current control located on the front panel, and is indicated by the panel meter. Actual current output is determined by cable size and length.

AC magnetic fields offer the best sensitivity for detection of surface defect indications. The AC field is also beneficial for demagnetizing after inspection.

Half-Wave DC magnetic fields provide for the detection of certain subsurface defect indications. DC fields penetrate a cross section of the test area rather than just the surface. Optional magnetizing cables can be equipped with prods for circular magnetization. The cables can be wrapped around parts to form a coil for longitudinal magnetization. Demagnetization is accomplished in a similar manner.

TR700 TRANSPORT TRUCK

WEB SITE: http://www.parkerndt.com 1-800-525-3935
## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>21(\frac{3}{8})&quot; (54.3 cm)</td>
</tr>
<tr>
<td>Width</td>
<td>9(\frac{3}{8})&quot; (23.8 cm)</td>
</tr>
<tr>
<td>Height</td>
<td>9(\frac{9}{16})&quot; (24.3 cm)</td>
</tr>
<tr>
<td>Maximum Output*</td>
<td>1500 amps, AC or HWDC</td>
</tr>
<tr>
<td>Line Voltage</td>
<td>230 VAC, 50/60 Hz; 460 VAC, 50/60 Hz</td>
</tr>
<tr>
<td>Single Phase</td>
<td></td>
</tr>
<tr>
<td>Line Current</td>
<td>45 amps @ 230 VAC; 23 amps @ 460 VAC</td>
</tr>
<tr>
<td>Maximum Duty Cycle</td>
<td>2 minutes ON</td>
</tr>
<tr>
<td>Cycle</td>
<td>2 minutes OFF</td>
</tr>
<tr>
<td>Unit Weight</td>
<td>100 lbs. (45.4 kg)</td>
</tr>
</tbody>
</table>

*Current ratings based on the use of two 15-foot lengths of 4/0 cable

## ACCESSORY ITEMS

### MA-7000
Individual Prods (set of 2)

### MA-7001
Dual Horizontal Prod Assy (adjustable tips)

### MA-7003
Braided Contact Clamp (3 inch Grip)

### MA-7EL
4/0 Eitherend/Lug Adapter

### MA-7RC
Remote Switch Assembly (20’)

### MA-7EC
4/0 Eitherend Connector

### MA-7ST
Replacement Prod Tips (aluminum or copper)

### TR-700BR
Cable Extension Bkt

### MA-7000
Individual Prods (set of 2)

### MA-7001
Dual Horizontal Prod Assembly

### MA-7003
Braided Contact Clamp

### MA-7EL
4/0 Eitherend/Lug Adapter

### MA-7RC
20’ Remote Control Cable Assy

### MA-7ST
Replacement Prod Tip (5 5/8”)

### MC-1540
15’ 4/0 Cable Set (w/Lug & Eitherend)

### MC-1541
15’ 4/0 Cable Set (w/Eitherends)
DA-750 PORTABLE MAGNETIC INSPECTION UNIT
The Parker Research DA-750 portable magnetic inspection unit provides high output AC or HWDC fields for magnetic particle inspection. Field selection is determined by using the appropriate field cable connector. Current output is infinitely variable from zero to maximum by use of the current control located on the front panel, and is indicated by the panel meter. Actual current output is determined by cable size and length. AC magnetic fields offer the best sensitivity for detection of surface defect indications. The AC field is also beneficial for demagnetizing after inspection. Half-Wave DC magnetic fields provide for the detection of certain subsurface defect indications. DC fields penetrate a cross section of the test area rather than just the surface. Optional magnetizing cables can be equipped with prods for circular magnetization. The cables can be wrapped around parts to form a coil for longitudinal magnetization. Demagnetization is accomplished in a similar manner.

TR700 TRANSPORT TRUCK
Low cost folding hand truck for transporting the DA-750 or DA-1500 around the inspection area. Hang the cables on the convenient peg, store inspection media in the lower tray and you’re off to the next job. The folding legs can be retracted for storage or used as a hand truck for rough terrain.

TR700BR CABLE EXTENSION BRACKET
Can be attached to the truck to raise the cables overhead for ease of inspections.
**SPECIFICATIONS**

<table>
<thead>
<tr>
<th></th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>17 1/4&quot; (43.8 cm)</td>
</tr>
<tr>
<td>Width</td>
<td>9 3/8&quot; (23.8 cm)</td>
</tr>
<tr>
<td>Height</td>
<td>8&quot; (20.3 cm)</td>
</tr>
<tr>
<td>Maximum Output* Current</td>
<td>750 A, AC or HWDC</td>
</tr>
<tr>
<td>Line Voltage</td>
<td>115 VAC, 50/60 Hz; 230 VAC, 50/60 Hz</td>
</tr>
<tr>
<td>Single Phase</td>
<td></td>
</tr>
<tr>
<td>Line current</td>
<td>27 A @ 115 VAC; 14 A @ 230 VAC</td>
</tr>
<tr>
<td>Maximum Duty Cycle</td>
<td>2 minutes ON 2 minutes OFF</td>
</tr>
<tr>
<td>Unit Weight</td>
<td>40 lbs. (18.1 kg)</td>
</tr>
</tbody>
</table>

*Current ratings based on the use of two 15-foot lengths of 4/0 cable

**DA-750 PORTABLE MAGNETIC INSPECTION UNIT**

**TR700 TRANSPORT TRUCK**

**ACCESSORY ITEMS**

- **MA-7000** INDIVIDUAL PRODS (SET OF 2)
- **MA-7001** DUAL HORIZONTAL PROD ASSEMBLY
- **MA-7003** BRAIDED CONTACT CLAMP
- **MA-7EC** 4/0 EITHEREND CONNECTOR
- **MA-7EL** 4/0 EITHEREND/LUG ADAPTER
- **MA-7RC** 20' REMOTE CONTROL CABLE ASSY
- **MA-7ST** REPLACEMENT PROD TIP (5 5/8"
- **MC-1540** 15' 4/0 CABLE SET (W/LUG & EITHEREND)
- **MC-1541** 15' 4/0 CABLE SET (W/EITHERENDS)
- **TR-700BR** CABLE EXTENSION BKT

**ACCESSORY ITEMS**

- **MA-7000** Individual Prods (set of 2)
- **MA-7RC** Remote Switch Assembly (20′)
- **MA-7EL** 4/0 Eitherend/Lug Adapter
- **MA-7EC** 4/0 Eitherend Connector
- **MA-7001** Dual Horizontal Prod Assy (adjustable tips)
- **MA-7003** Braided Contact Clamp (3 inch Grip)
- **MA-7ST** Replacement Prod Tips (aluminum or copper)
THE INSTRUMENT THAT DOES SO MUCH, SO WELL If you do any work with ferrous metals...shipyard... aerospace...steel mill...foundry...weldment or vehicle overhaul, you need the performance advantage of the B-100 Contour Probe.

WIDE VERSATILITY Mechanically, the B-100 Probe will conform to practically any surface configuration. Strong, constant AC fields or high intensity pulsed DC fields, using the DC-300 power supply.

ONE-MAN PACKAGE The B-100 Contour Probe is a complete Magnetic package that one man takes to the work and easily performs a thorough and reliable inspection.

PRECISE AREA INSPECTION Powerful magnetic fields are concentrated and applied to the precise area to be inspected.

Ask for a demonstration and find out how one of the Parker Contour Probes can save time and money in your operation. 1-800-525-3935
**INSTRUMENT DESCRIPTION**

In overall design and performance, the Contour Probe comprises a coil wound on a laminated steel leg assembly contained within the rugged molded housing. Flexibility of the legs allows the field to be “focused” at the precise area of inspection.

Basically the Contour Probe is an electromagnet producing a strong AC magnetic field. Placement of the two poles (legs) upon ferrous materials merely provides a path for the intense magnetic field to pass from one pole to the other. The part completes the flux path and becomes highly magnetized.

**OPTIONAL PULSED DC POWER SUPPLY**

<table>
<thead>
<tr>
<th>DC-300 115VAC, 50/60 Hz INPUT</th>
<th>DC-300S 230 VAC, 50/60 Hz INPUT</th>
</tr>
</thead>
</table>
| The DC300 contains an electronic circuitboard assy. completely sealed within the housing. The B-100 Probe should be connected to the output power cord, while the input plug of the power supply should be connected to a Grounded power source.

**PULSED DC MAGNETIZATION:** A DC field induced into a small work piece penetrates a larger cross section of the part. DC provides greater penetration for the detection of near-surface defects in small parts. However, on some small parts, it is possible that an excessive amount of field will saturate the part and cause a masking effect to the point where it is impossible to define a defect.

**OPTIONAL CONTOUR PROBE KITS**

“A” KIT INCLUDES: Steel Carrying Case, One pound Each of Red and Gray Magnetic Powder and One Parker PB-1 Powder Blower.

“A/B” KIT INCLUDES: All “A” Kit items and One EA140 4W UV Light and One 9.5 oz. Aerosol Can Fluorescent Particles.

**SPECIFICATIONS REPLACEMENT PART NUMBERS**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>VOLTS Ac</th>
<th>AMPS</th>
<th>WEIGHT</th>
<th>COIL</th>
<th>SWITCH</th>
<th>CORD</th>
<th>BUTTON BOOT</th>
</tr>
</thead>
<tbody>
<tr>
<td>B-100</td>
<td>115 V, 50/60 Hz</td>
<td>4 A</td>
<td>6.5 lbs.</td>
<td>2037-1</td>
<td>2038-1</td>
<td>2591-3</td>
<td>2318-1</td>
</tr>
<tr>
<td>B-100S</td>
<td>230 V, 50/60 Hz</td>
<td>3 A</td>
<td>2.95 kg</td>
<td>2042-1</td>
<td>2038-1</td>
<td>2140-4</td>
<td>2318-1</td>
</tr>
</tbody>
</table>

B100 SHOWN WITH OPTIONAL “A/B” KIT
CONTROLLED MAGNETIC POWDER APPLICATION FROM PARKER!

APPLICATION
The Parker Model PB-1 Magnetic Powder Blower provides reliable and controlled application of Magnetic Inspection Powder to areas previously inaccessible; horizontal, vertical and overhead.

CONTROL
The hand-held PB-1 incorporates a unique magnetic control for precise adjustment of powder quantity. Powder is gently floated in a complete and uniform mix of all particle sizes to the test surface. The one-pound capacity bottle fits the operator's hand comfortably to enhance application.

ECONOMY
Best of all, the PB-1 can reduce time required to apply powder at each inspection and help eliminate excessive powder waste. Never too much or too little.

AVAILABILITY
The PB-1 Powder Blower is available from factory stock or from dealers and distributors throughout the U.S. and major foreign countries.

PARKER RESEARCH CORP.
P.O. Box 1406, Dunedin, Florida 34697 USA
Phone: (727) 796-4066 • FAX: (727) 797-3941 • E-MAIL: parkresh@gte.net
WEB SITE: http://www.parkreshcorp.com

1-800-525-3935
PB-5 MAGNETIC POWDER BLOWER

The PB-5 Magnetic Powder Blower gently applies powder to horizontal, vertical or overhead surfaces. The correct amount of powder for each requirement means the economical use of material and maximum reliability in revealing defect indications. Metered Powder delivery provides uniform application without operator influence. Blow-off air will not disturb relevant indications. Continuous air flow through supply hose eliminates powder accumulation in system. Simplicity of design means dependable operation and reduction of effects from outside factors.

The PB-5 provides several patented design features that result in simplicity and maximum reliability for the application of Magnetic Inspection powder under severe and constant operating conditions.
SPECIFICATIONS

- Complete mix of all particle sizes
- Hand gun with low voltage, high intensity light
- Controlled powder delivery
- Continuous operation
- Operates on less than 2 Amps at 115 VAC
- 5 pound capacity
- Low cost

<table>
<thead>
<tr>
<th></th>
<th>PB-5</th>
<th>PB-5S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Line Voltage single phase</td>
<td>115 VAC, 60 Hz</td>
<td>230 VAC, 50 Hz</td>
</tr>
<tr>
<td>Line Current</td>
<td>1.76 A</td>
<td>1.00 A</td>
</tr>
<tr>
<td>Secondary Voltage</td>
<td>12 VAC</td>
<td></td>
</tr>
<tr>
<td>Construction</td>
<td>Steel case/Aluminum gun</td>
<td></td>
</tr>
<tr>
<td>Hose Length</td>
<td>12 ft</td>
<td></td>
</tr>
<tr>
<td>Unit Dimensions</td>
<td>9.00&quot; (229mm) H × 11.25&quot; (286mm) W × 5.88&quot; (149mm) D</td>
<td></td>
</tr>
<tr>
<td>Powder Capacity</td>
<td>5 lb</td>
<td></td>
</tr>
<tr>
<td>Shipping Weight</td>
<td>25 lb (1 carton)</td>
<td></td>
</tr>
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</table>

WEB SITE: http://www.parkreshcorp.com 1-800-525-3935
TB-10 (10-POUND) WEIGHT LIFT TEST BARS

The TB-10 Magnetic Weight Lift Test Bar provides for the calibration and certification of Magnetic Particle Inspection Yokes to the following specifications. Bar weight is stamped on each bar and is traceable to NIST.

INSTRUCTIONS: Place Yoke legs on the test bar at the recommended spacing. In the AC mode, energize Yoke and lift the test bar (10 pounds). For the DC lift test, (30 to 50 pounds) 3 to 5 test bars must be bolted together through the hole located in the center of each bar. With the Yoke set in the DC mode follow the procedure as described above.

All Parker Research Contour Probes (Yokes) comply with and exceed the requirements of these specifications.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight &amp; Pole Spacing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AC Field</td>
<td>10 lb</td>
<td>2-4 in</td>
<td>10 lb</td>
<td>*</td>
<td>10 lb</td>
</tr>
<tr>
<td>DC Field or Permanent</td>
<td>30 lb</td>
<td>2-4 in</td>
<td>40 lb</td>
<td>*</td>
<td>30 lb</td>
</tr>
<tr>
<td>Max Verification Interval</td>
<td>6 months</td>
<td>1 year</td>
<td>6 months</td>
<td>6 months</td>
<td>3 months</td>
</tr>
</tbody>
</table>

*Maximum pole spacing that will be used.

WEB SITE: www.parkerNDT.com
1-800-525-3935
The **TB10-SP Magnetic Weight Lift / Defect Test Bar** provides for the 10 pound AC weight lift calibration of Magnetic Particle Inspection Yokes, as shown on page 1. Bar weight is certified and traceable to NIST standards. In addition, the reverse side of the TB10-SP bar contains artificial defects as indicated above. Demonstration of actual defect indications is very useful for visual and operational performance purposes.

NOTE: The TB10-SP bar has no center bolt hole for mating with additional TB10 bars.

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The **NA16 Notch Test Bar** complies with the requirements of old MIL-STD-271 E and F (Ships) paragraph 4.3.1.2 and NAVSEA-TB-T9074-AS-GIB-101-271. The requirement reads as follows:

4.3.1.2 PROCEDURE. Magnetic Particle inspection shall be performed in accordance with a written procedure which has proven ability to detect the smallest rejectable surface defects, artificial or natural, in a test spectrum. The Yoke and Prod methods shall have the proven ability to detect a 1/16-inch long by 0.005-inch wide by 0.02-inch deep notch (maximum dimensions) oriented 90 degrees to the magnetic flux. The notch shall be cut in a 3/8-inch low alloy metal steel plate and it shall be filled flush to the surface with a non-conducting material, such as epoxy, to prevent the mechanical holding of the indicating medium. Each activity shall certify the procedure in accordance with this standard, and upon request by the Government inspector, shall make the procedure available and demonstrate its validity by performing inspection on the test specimen.

**TESTING:** Place the Yoke or Prods upon the test side of the NA16 test bar, indicated by the unpainted circle. Energize the magnetic field and apply the inspection medium.

The test defects as described above are located within the circle. One notch is oriented 90 degrees to the bar parallel for Yoke tests. The second notch is located longitudinally with the bar parallel for Prod tests.

**NOTE:** Unless specified otherwise, test should be performed with the Yoke or Prods in the AC mode. If Prods are used it may be necessary to remove paint from the test bar at contact points.
The 5100 Series Hall effect portable gaussmeters represent the most recent design from the world leader in magnetic measuring equipment. This new design incorporates the use of digital signal processing technology making it the world's first hand-held gaussmeter to have a digital signal processor (DSP) on board. F.W. Bell's exclusive Dynamic Probe Connection allows measurements from 0 to 30 kG with a basic accuracy of 1%.

Key features include Auto Zero, Min./Max./Peak Hold, Auto Range and Relative Mode. Both models allow the user to select Gauss or Tesla readings. The Model 5180 also has a selection for readings in Ampere/Meters and features a corrected analog output (±3V FS) and a USB communications port.

The 5100 Series Hand-Held Gaussmeter's built-in software eliminates the need for complex calibration procedures. User prompts on the custom formatted LCD allow fast, simple push button operation. All models come equipped with a detachable transverse probe, zero gauss chamber, instruction manual, hard carrying case, and four AA batteries. Axial and other style probes are available as options.

Applications for the 5100 Series range from the most sensitive laboratory environment to the most rugged industrial setting. All instruments are CE compliant.

### Features
- The best accuracy in its class
- Data logging capability
- 20X lower resolution
- Frequency Response 2X better than competitor
- The only handheld meter with DSP (Digital Signal Processing)
- Auto Zero
- Min/Max/Peak Hold
- Auto Range
- Relative Mode
- Universal Serial Bus Interface
## Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>5170</th>
<th>5180</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basic Accuracy</td>
<td>2%</td>
<td>1%</td>
</tr>
<tr>
<td>Frequency Bandwidth</td>
<td>DC-20 kHz</td>
<td>DC-40 kHz</td>
</tr>
<tr>
<td>Sampling Rate</td>
<td>5/sec</td>
<td>5/sec</td>
</tr>
<tr>
<td>Ranges</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Low Range</td>
<td>200 G</td>
<td>300 G</td>
</tr>
<tr>
<td>Mid Range</td>
<td>2 kg</td>
<td>3 kg</td>
</tr>
<tr>
<td>High Range</td>
<td>20 kg</td>
<td>30 kg</td>
</tr>
<tr>
<td>Resolution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Low Range</td>
<td>0.1 G (10 μT)</td>
<td>0.1 G (10 μT)</td>
</tr>
<tr>
<td>Mid Range</td>
<td>1.0 G (100 μT)</td>
<td>1.0 G (100 μT)</td>
</tr>
<tr>
<td>High Range</td>
<td>10 G (1 mT)</td>
<td>10 G (1 mT)</td>
</tr>
<tr>
<td>Display</td>
<td>LCD</td>
<td>LCD</td>
</tr>
<tr>
<td>Digits</td>
<td>3 1/2</td>
<td>3 1/2</td>
</tr>
<tr>
<td>Readings</td>
<td>Gauss Tesla Amps / Meters</td>
<td>Gauss Tesla Amps / Meters</td>
</tr>
<tr>
<td>Analog Output</td>
<td></td>
<td>±3V FS</td>
</tr>
<tr>
<td>Communication Port</td>
<td></td>
<td>USB</td>
</tr>
</tbody>
</table>

### General Information

| All Models | |
| Temperature | |
| Operating | 0°C to 50°C |
| Storage | -25°C to 70°C |
| Power | 4 AA batteries |
| Size | 6.9 in x 3.9 in x 1.44 in. |

### Probes and Accessories

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model 5180 Probes</td>
<td></td>
</tr>
<tr>
<td>HTD18-0604</td>
<td>4&quot; Transverse Probe</td>
</tr>
<tr>
<td>STD18-0404</td>
<td>4&quot; Transverse Probe (incl. w/5180)</td>
</tr>
<tr>
<td>STD18-0402</td>
<td>2&quot; Transverse Probe</td>
</tr>
<tr>
<td>SAD18-1904</td>
<td>4&quot; Axial Probe</td>
</tr>
<tr>
<td>SAD18-1902</td>
<td>2&quot; Axial Probe</td>
</tr>
<tr>
<td>Model 5170 Probes</td>
<td></td>
</tr>
<tr>
<td>HTH17-0604</td>
<td>4&quot; Transverse Probe</td>
</tr>
<tr>
<td>STH17-0404</td>
<td>4&quot; Transverse Probe (incl. w/5170)</td>
</tr>
<tr>
<td>STH17-0402</td>
<td>2&quot; Transverse Probe</td>
</tr>
<tr>
<td>SAH17-1904</td>
<td>4&quot; Axial Probe</td>
</tr>
<tr>
<td>SAH17-1902</td>
<td>2&quot; Axial Probe</td>
</tr>
<tr>
<td>Models 5170/5180 Gaussmeter Probes</td>
<td></td>
</tr>
<tr>
<td>STB1X-0201</td>
<td>Ultra Thin Transverse Probe (0.020&quot;)</td>
</tr>
<tr>
<td>MOS51-3204</td>
<td>Low Field Probe (0.020&quot;)</td>
</tr>
</tbody>
</table>

### Shipping Weight

- **Domestic**: 12 lbs 5.5 kgs
- **International**: 17 lbs 8.0 kgs
- **Net**: 11 lbs 5.0 kgs
- **International**: 16 lbs 7.5 kgs

**Note**: Due to continuous process improvement, specifications subject to change without notice.