

PARKER

B-100 CONTOUR PROBE®

HANDHELD AC MAGNETIC YOKE

- LIGHTWEIGHT
- DURABLE MOLDED CONSTRUCTION
- POWERFUL AC MAGNETIC FIELD
- ECONOMICAL
- ONE YEAR GUARANTEE
- TOTALLY REPAIRABLE

The construction of the New B100 allows for the replacement of all internal components.



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 B100 Contour Probe.

WIDE VERSATILITY Mechanically, the B100 Probe will conform to practically any surface configuration. Strong, constant AC fields or high intensity pulsed DC fields, using the DC300 power supply.

ONE-PERSON PACKAGE The B100 Contour Probe is a complete magnetic package. One person takes it to 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. The construction of the New B100 Contour Probe allows for the replacement of all internal components.

Ask for a demonstration and find out more about how the B-100 or one of the other Parker Contour Probes can save time and money in your operation.



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.



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

1-800-525-3935

PARKER RESEARCH CORP.

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SPECIFICATIONS				REPLACEMENT PART NUMBERS			
MODEL	VOLTS AC	AMPS	WEIGHT	COIL	SWITCH	CORD	BUTTON
B-100	115 V, 50/60 Hz	4 A	6.5 lbs.	2037-1	2038-1	2084-1	2318-1
B-100S	230 V, 50/60 Hz	3 A	2.95 kg	2072-1	2038-1	2085-1	2318-1

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 actually 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



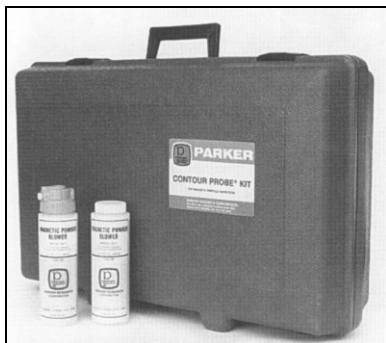
DC-300 (115 VAC, 50/60 Hz Input)

DC-300S (230 VAC, 50/60 Hz Input)

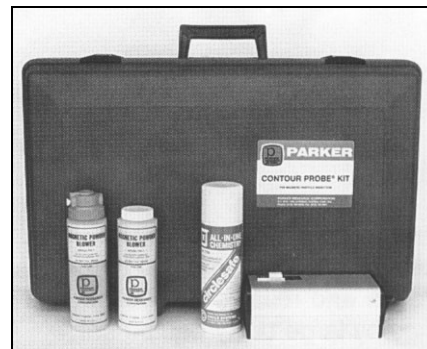
The DC-300 contains an electronic circuitboard assembly completely sealed within the housing. The B-100 Probe should be connected to the output power cord, while the input plug of the power supply should be connected to a grounded power source.

PULSED DC MAGNETIZATION: A DC field induced into a small work piece penetrates a larger cross section of the part and is inclined to spread out on each side of the line between the poles. The field energy is dispersed over a greater area. Thus, 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.

CONTOUR PROBE KITS



B-100 A Kit
includes:
B-100 Contour Probe
1 lb. Red Powder
1 lb. Gray Powder
PB1 Applicator
Plastic Carrying Case



B-100-AB Kit
includes
items in "A" Kit plus:
EA140 Hand-held UV
Light
9.5 oz Aerosol Can of
778A Fluorescent
Particles



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