

PARKER

B-100 CONTOUR PROBE®

MOST ECONOMICAL
Parker A.C. YOKE

DURABLE MOLDED
CONSTRUCTION

POWERFUL A.C.
MAGNETIC FIELD

AVAILABLE WITH
OPTIONAL Y400 YOKE LIGHT

ONE YEAR GUARANTEE

TOTALLY REPAIRABLE

The construction of the Parker
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...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.



B100 SHOWN WITH OPTIONAL "A" KIT

Contour Probe Kits - are available with Dry Powder and Wet Fluorescent inspection mediums including UV Light. A truly portable one-man inspection package. The Y400 Yoke Light is optional on the B100 at extra charge.

SPECIFICATIONS				REPLACEMENT PART NUMBERS			
MODEL	VOLTS Ac	AMPS	WEIGHT	COIL	SWITCH	CORD	BUTTON BOOT
B-100	115 V, 50/60 Hz	4 A	6.5 lbs.	2037-1	2038-1	2591-3	2318-1
B-100S	230 V, 50/60 Hz	3 A	2.95 kg	2042-1	2038-1	2140-4	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 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 115VAC, 50/60 Hz INPUT

DC-300S 230 VAC, 50/60 Hz INPUT

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.

B100 SHOWN WITH OPTIONAL “A/B” KIT