

B-100S



Compliance:

- EN ISO 9934-3
- ASME Section V, Article 7
- ASTM E709
- ASTM E1444

ECONOMICAL - AC Contour Probe

B-100S Magnetic Yoke is the **Economical, Totally Repairable and Moulded Construction Yoke** designed for Magnetic Particle inspection to accepted Non-destructive testing standards for Surface Defects.

B-100S Produces a strong constant AC field applied directly to the precise area to be inspected, regardless of part size or mass. Exceeding lift test requirements.

B-100S Components are protected by the two piece Moulded Reinforced Removable housing.

B-100S Is the Totally Repairable model, High Duty Switch, Switch Boot, Power Cord, Coil & Legs.

B-100S Can be CE Certified at an Additional Cost.

B-100S From Parker the Inventor of the flexible leg Contour Probe.

B-100S Is available with the optional Yoke Light Y-400

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Technical Data

Pole Spacing	Minimum 30 mm, Maximum 254 mm (Inside Leg Measurement)
Cross Sectional Area of Poles	25.4 mm x 25.4 mm
Electrical Supply	230 Volts - 3 Amps - 50 Hz
Current Wave Form	AC
Current Control	Sinusoidal AC Mains
Duty Cycle	50 %
Maximum Switch ON Time	2 Minutes
Tangential Field Strength	2 kA/m at midpoint between Poles
Lifting Force	≥ 44 N – B100S Exceeds 4.5kg Lift Test
Overall Dimensions	216 mm L, 197 mm H, 57 mm W
Weight	3.18 kg
Protection Class	IP 54
Cord Length	3 Metres
Warranty	12 Months
Country of Manufacture	USA
Compliance	EN ISO 9934-3, ASME Section V - Article 7, ASTM E709, ASTM E1444, AS1171

Part Number

B100S	Yoke 230v
PLCASE	Storage Case
Y400	Yoke Light

Replacement Spare Parts

2318-1	Switch Boot
2038-1	Yoke Switch
2140-1	Power Cord
2034-1	Leg Assembly Set
2042-1	Coil Assembly

Other Parker Models Available Include;

- **B-300SMR – IP65 Rated Yoke** – On/Off switch is magnetically activated so no electrical contact between the switch and internal circuit. Ideally suited for high moisture areas.
- **UW-12 – IP68 Rated Yoke** – 12v DC 2.5Amp. Water use where Full Wave DC fields are permitted.
- **B-200S – Ergonomic Grip Yoke** – Design for ease of use over extended testing periods.
- **B-300S – Rugged Yoke** – High Performance go-to model yoke, for over 40 years.
- **DA-200S – Mil. Spec Yoke** – Super Lift, Intense field, large AC or AC/DC with handle.
- **DA-400S – Dual AC/DC Yoke** – Tough Fibreglass Housing with handle.
- **B-310S – Short Yoke** – Short, Small, Compact, Lighter Model.