

# PARKER

## FIND DEFECTS *ELECTRONICALLY* WITH THE DA-400 SERIES CONTOUR PROBES® *FROM* PARKER RESEARCH



- (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) One year repair/replacement guarantee.

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 subsurface 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 of the surface shape... in the lab, factory or field site.

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

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*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. (DA400-AB Kit shown)



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

# 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 materials*

**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 sub-surface 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, included in 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.



## CONTOUR PROBE KITS

### DA-400 A Kit

includes:  
DA-400-A Contour Probe  
Y400 Yoke Light  
1 lb. Red Powder  
1 lb. Gray Powder  
PB1 Applicator  
Plastic Carrying Case

**DA-400 AB Kit** includes  
items in "A" Kit plus:  
EA140 Hand-held UV Light  
9.5 oz Aerosol Can of  
778A Fluorescent Particles

## OPTIONAL ACCESSORIES

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

## SPECIFICATIONS

	DA-400	DA-400S	A410	A410S
PHYSICAL	8.5" x 10.25" x 2.25" (216 x 260 x 57 mm)			
LINE VOLTAGE SINGLE PHASE	115 V, 50/60 Hz	230 V, 50/60 Hz	115 V, 50/60 Hz	230 V, 50/60 Hz
LINE CURRENT	4 A	3 A	4 A	3 A
DUTY CYCLE	2 MINUTES ON – 2 MINUTES OFF			
WEIGHT	7.5 LBS (3.4 kg)			
CONSTRUCTION	GLASS FILLED NYLON HOUSING 10 FOOT (3 m) 3-WIRE POWER CORD			
SPAN	12 INCH (305 mm) ACROSS POLES			
FIELD	AC / DC	AC / DC	AC	AC



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