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PARKER



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.



PARKER

SPECIFICATIONS

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

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



TR-700BR

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)





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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

PARKER

SPECIFICATIONS

Length	21 ³ / ₈ " (54.3 cm)
Width	9 ³ / ₈ " (23.8 cm)
Height	9 ⁹ / ₁₆ " (24.3 cm)
Maximum Output* Current	1500 amps, AC or HWDC
Line Voltage Single Phase	230 VAC, 50/60 Hz; 460 VAC, 50/60 Hz
Line current	45 amps @ 230 VAC; 23 amps @ 460 VAC
Maximum Duty Cycle	2 minutes ON 2 minutes OFF
Unit Weight	100 lbs. (45.4 kg)

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

DA-1500 PORTABLE MAGNETIC INSPECTION UNIT

TR700 TRANSPORT TRUCK

ACCESSORY ITEMS

TR-700BR	CABLE EXTENSION BKT
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)

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)



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DA750, DA1500 and DA1500-DR

Portable Magnetic Inspection Units

The DA-Series portable power packs are convenient and economical inspection units that are used in a wide range of magnetic particle applications that require only moderate power. They are ideal for large or heavy parts, in-service mobile equipment, or job-site welds.

Advantages & Features

- Selection of AC current or HWDC current by only changing one cable connection.
- Locate defects in any direction using prods, coil wrap or contact clamps.
- Infinitely variable current control.
- Demagnetize your parts in AC by turning the current dial to zero or by passing parts through a coil and slowly withdrawing them while the current is on.
- The optional DA1500-DR comes equipped with an easy-to-read digital LCD display.



DA750



DA1500



DA1500-DR

Specifications

Unit Comparison Chart			
	DA750	DA1500	DA1500-DR
Dimensions	18" x 9.25" x 8" 45.7 x 23.5 x 20.3 cm	21.5" x 10.5" x 9.5" 54.6 x 26.7 x 24.1 cm	21.5" x 10.5" x 9.5" 54.6 x 26.7 x 24.1 cm
Weight	43 lbs. (19.5 kg)	110 lbs. (49.9 kg)	110 lbs. (49.9 kg)
Max Output ¹	750 Amps AC or HWDC	1500 Amps AC or HWDC	1500 Amps AC or HWDC
Cord Length	20 ft. (6 m)	20 ft. (6 m)	20 ft. (6 m)
Duty Cycle	10%	10%	10%
Electrical Requirements ²	27 A @ 115 VAC 60 Hz 14 A @ 230 VAC 50/60 Hz	45 A @ 230 VAC 50/60 Hz 23 A @ 460 VAC 50/60 Hz	45 A @ 230 VAC 50/60 Hz 23 A @ 460 VAC 50/60 Hz
¹ Current ratings based on use of two 15-foot lengths of 4/0 cable (30 feet total) ² Single phase power supply			

Accessories and Cables for Start-Up

- 20' Remote Hand Switch Assembly (PN: MA7RC) or 20' Remote Foot Switch Assembly (PN: MA7FC)
- 15' 4/O Cable Set w/Lug & Either Ends (PN: MC1540) or 15' 4/O Cable Set w/Either Ends (PN: MC1541)
- Individual Prod Set (PN: MA7000)
- Dual Horizontal Prod Assembly (PN: MA7001)
- Braided Contact Clamp (PN: MA7003)
- Transport Cart (PN: TR700)

Part Numbers

	DA750	DA1500	DA1500-DR
115VAC	DA750-115	-	-
230VAC	DA750-230	DA1500-230	DA1500DR-230
460VAC	-	DA1500-460	DA1500DR-460