



MAESTRO SERIES 800, 1000, 1200

A range of SUBMERGED Arc Welding Equipment to suit a wide range of applications

Cont.

TECHNICAL SPECIFICATIONS DOIDE BASED SYSTEMS:				
Power Source	Unit	PS 800 (F)	PS 1000 (F)	PS 1200 (F)
Input				
Input Supply:				
Voltage	Volts, AC	415	415	415
Phase	No	3	3	3
Frequency	Hz	50	50	50
Input Kva @ 100% Duty Cycle	KVA	37	45	54
Recommended Switch Fuse Rating	Amps, AC	TP-60	TP-80	TP-100
Output				
Static Characteristics	Type	CV	CV	CV
Open Circuit Voltage Range (max. With IPT)	Volts, DC	35-63	35-63	35-63
Open Circuit Voltage Range (Actual)		29-54	29-54	29-54
Welding Voltage		21.15-44	24-44	24-44
Welding Current Range	Amps, DC	150-800	200-100	200-1200
Welding current @ 60% duty cycle		800	100	1200
Welding current @ 100% duty cycle		650	800	1000
General				
Insulation	Class	H	H	H
Cooling	Type	Forced Air	Forced Air	Forced Air
Dimensions L x W x H	mm	1225x800x900	1225x800x900	1225x800x900
Weight (Approx)	Kg	350	365	390

TECHNICAL SPECIFICATIONS THYRISTOR BASED SYSTEMS:				
Power Source	Unit	PS 800 T(F)	PS 1000 T(F)	PS 1200 T(F)
Input				
Input Supply:				
Voltage	Volts, AC	415	415	415
Phase	No	3	3	3
Frequency	Hz	50	50	50
Input Kva @ 100% Duty Cycle	KVA	44	50	63
Recommended Switch Fuse Rating	Amps, AC	TP-70	TP-80	TP-100
Output				
Static Characteristics	Type	CV	CV	CV
Open Circuit Voltage Range (max.)	Volts, DC	62	62	62
Open Circuit Voltage Range		150-800	200-1000	200-1200
Welding current @ 60% duty cycle	Amps, DC	800	100	1200
Welding current @ 100% duty cycle		650	800	1000

Cont.

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General				
Insulation	Class	H	H	H
Cooling	Type	Forced Air	Forced Air	Forced Air
Dimensions L x W x H	mm	1225x800x1060	1225x800x1060	1225x800x1060
Weight (Approx)	Kg	350	365	390

ORDERING INFORMATION OPTIONAL ACCESSORIES :	
Description	Product Code
Set Of Welding Cables SAC 800, For PS 800 (F), 800 T (F)	S10.36.011.0005
Set Of Welding Cables SAC 1000, For PS 800 (F), 1000 T (F)	S10.36.011.0006
Set Of Welding Cables SAC 1200, For PS 800 (F), 1200 T (F)	S10.36.011.0004
Description	Product Code
WAS : Set Of Welders Accessories - All Models	S10.36.041.0001
SLP: Spotlight Projector - All Models	S10.36.031.0001
FWA: Fillet Welding Attachment - All Models	S10.36.021.0001
TWA: Twin Wire Attachment (2 And 2.5 Mm) - All Models	S10.36.021.0003

TECHNICAL SPECIFICATIONS - WELDING HEADS :					
Saw Head	Unit	WH -15(F)	WH -15-01(F)	WH -15-02(F)	WH -15-03(F)
Max. Welding Current @ 60% Duty Cycle	Amps, DC	1500	1500	1500	1500
Max. Welding Current @ 60% Duty Cycle		1250	1250	1250	1250
Recommended Power Source		PS 800 (F) / PS 1000 (F) / PS 1200 (F)			
Recommended Wire Diameter Single Wire	mm	2, 2.5, 3.2 For 800 (F); 2, 2.5, 3.2, 4.5 For 1000 (F) & 1200 (F)			
Recommended Wire Diameter Twin Wire		2, 2.5 (Optional)			
Speed Range Wire Feed	M / Min.	0.5-4	0.5-4	0.5-4	0.5-4
Speed Range Carriage		0.1-1.5	NA	NA	NA
Input To Control Unit	Volts, AC	42 V, 1 PH, 50 Hz From Power Source			
Range Of Adjustment					
Vertical (Z)	mm	140 (Manual)	140 (Manual)	100 (Motorized)	100 (Motorized)
Horizontal (X)-Transverse To Travel Direction		140 (Manual)	140 (Manual)	100 (Motorized)	100 (Motorized)
Horizontal (7)-In Direction Of Travel		-	140 (Manual)	140 (Manual)	100 (Motorized)
Maximum Swivel					
Transverse To Head Travel	Degree	45			
Parallel To Head Travel		30			
Horizontal Swing		270			
Standard Bore For Spool	mm	285 - 315 (Adjustable)			
Weight Of Spool (max.)	Kg	25			
Flux Hopper Capacity (max.)	Kg/Ltrs	10/7			
Dimensions (L X W X H)	mm	1500x1030x580	1500x1030x580	1500x1030x600	1500x1030x600
Weight (without Flux And Wire)	Kg	80	80	110	110

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ORDERING INFORMATION MAIN OUTFITS							
SUBARC Outfit	Power Source	Welding Head	Product Code	SUBARC OUTFIT	Power Source	WELDING HEAD	PRODUCT CODE
MAESTRO 800 (F)	PS 800 (F)	WH - 15 (F)	F10.36.004.0045	MAESTRO 800 T(F)	PS 800 T(F)	WH - 15 T(F)	F10.36.004.0061
MAESTRO 800-01(F)		WH - 15-01 (F)	F10.36.004.0046	MAESTRO 800 -01 T(F)		WH - 15- 01 T(F)	F10.36.004.0036
MAESTRO 800-02 (F)		WH - 15-02 (F)	F10.36.004.0047	MAESTRO 800 -02 T(F)		WH - 15- 02 T(F)	F10.36.004.0063
MAESTRO 800-03 (F)		WH - 15 -03 (F)	F10.36.004.0048	MAESTRO 800 -03 T(F)		WH - 15- 03 T(F)	F10.36.004.0064
MAESTRO 1000 (F)	PS 1000 (F)	WH - 15 (F)	F10.36.004.0049	MAESTRO 1000 T(F)	PS 1000 T(F)	WH - 15 T(F)	F10.36.004.0068
MAESTRO 1000-01(F)		WH - 15-01 (F)	F10.36.004.0050	MAESTRO 1000 -01 T(F)		WH - 15- 01 T(F)	F10.36.004.0037
MAESTRO 1000-02 (F)		WH - 15-02 (F)	F10.36.004.0051	MAESTRO 1000 -02 T(F)		WH - 15- 02 T(F)	F10.36.004.0059
MAESTRO 1000-03 (F)		WH - 15 -03 (F)	F10.36.004.0052	MAESTRO 1000 -03 T(F)		WH - 15- 03 T(F)	F10.36.004.0070
MAESTRO 1200 (F)	PS 1200 (F)	WH - 15 (F)	F10.36.004.0053	MAESTRO 1200 T(F)	PS 1200 T(F)	WH - 15 T(F)	F10.36.004.0069
MAESTRO 1200-01(F)		WH - 15-01 (F)	F10.36.004.0054	MAESTRO 1200 -01 T(F)		WH - 15- 01 T(F)	F10.36.004.0038
MAESTRO 1200-02 (F)		WH - 15-02 (F)	F10.36.004.0055	MAESTRO 1200 -02 T(F)		WH - 15- 02 T(F)	F10.36.004.0060
MAESTRO 1200-03 (F)		WH - 15 -03 (F)	F10.36.004.0056	MAESTRO 1200 -03 T(F)		WH - 15- 03 T(F)	F10.36.004.0072

- **Warranty** : One year from the date of commissioning. ADOR WELDING LIMITED warrants that all new equipment sold from Plant/Area Offices / Authorised Distributors are free from defects in materials and workmanship and will perform in full accordance with applicable specifications.
- In view of continuous development, ADOR WELDING LIMITED reserves the right to modify/change the design and /or the specifications without any prior notice.
- Backed by dedicated customer care package.

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