

THERMAL ARC®

Pro-Plus®

DC Inverter

Arc Welders



**400GMS
Models**
(MIG/Stick/
Lift Start TIG)

**400GTS
Models**
(HF Start TIG/
Lift Start TIG/
Stick)

**400S
Models**
(Stick/Lift Start TIG)

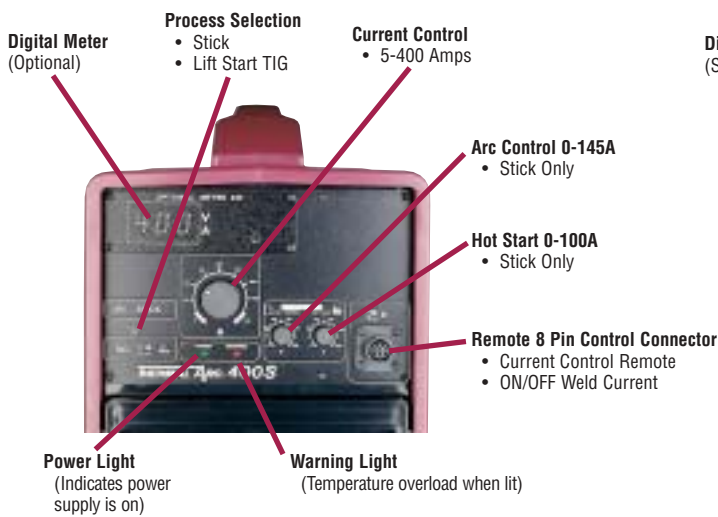
Added Power
Added Portability
Added Energy Savings

- Superior performance for TIG, MIG and STICK
- 400 Amp Output
- Easy-Link™/Smart Logic®
- Easy to carry - less than 61 lbs (28 kg)
- Energy saving technology

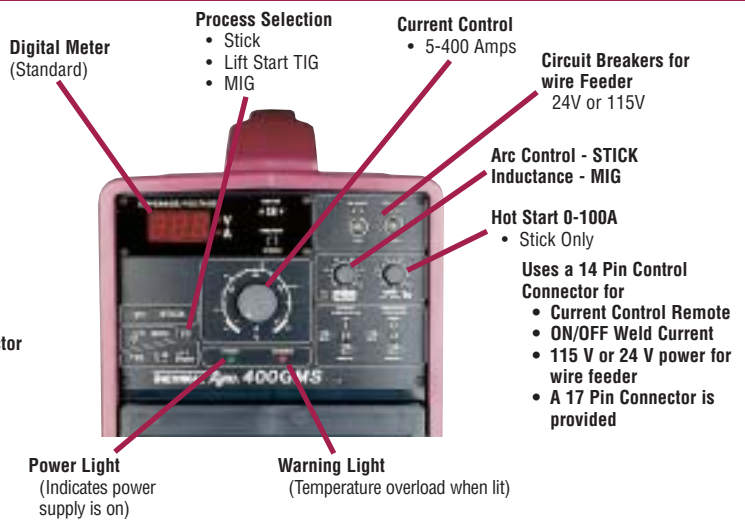
THERMAL DYNAMICS®



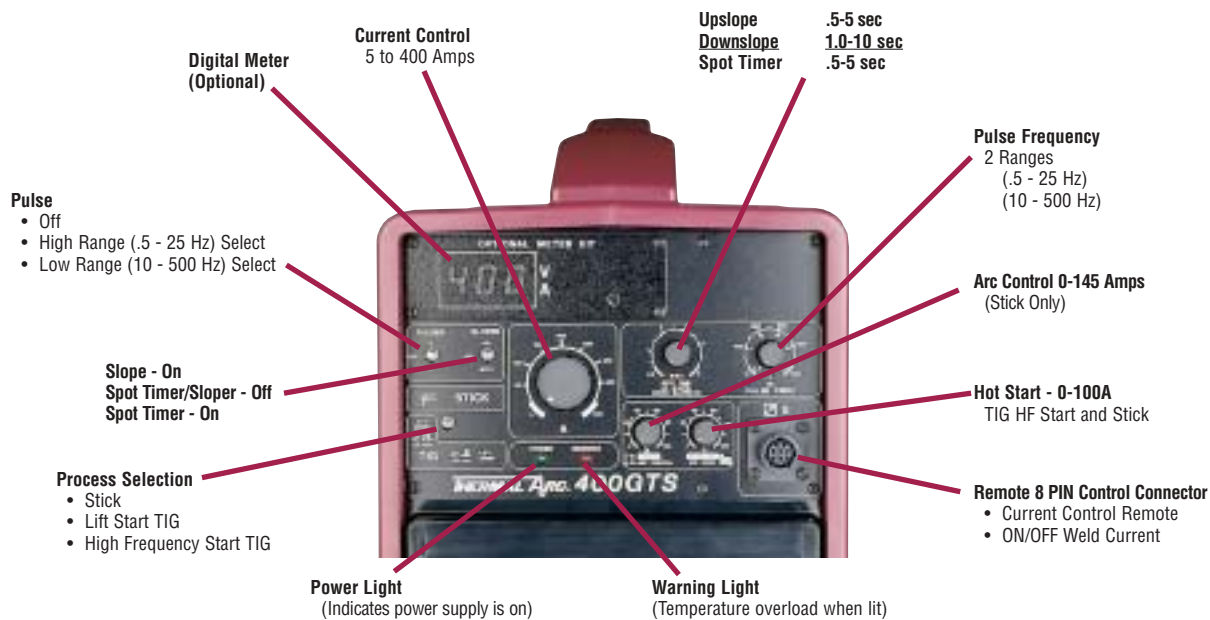
the leader in technology and service!



400 S



400 GMS



400 GTS

Pro-Plus® Series

The Pro-Plus Series are powerful 400 amp welding power supplies with high performance characteristics. All the machines come standard with an arc control and hot start adjustment and, making the Pro-Plus excellent for all types of stick electrodes, particularly the Lincoln 5P™. All machines are provided with lift TIG for high quality TIG starting with no High Frequency.

The 400 GMS provides superior welding results with mild steel wires for short arc, globular, or spray operation and stainless steel wires. The 400 GTS is provided with a built in sloper,

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pulser, spot timer, gas valve, pre-flow, post flow and high frequency for those TIG applications which require critical control for high quality results.

The lightweight (61 lbs/28 kg) compact design and easy to carry handle make these machines the ideal choice for construction, maintenance, utility, contractor and manufacturing applications. All of the Pro-Plus series machines are provided with Easy-Link™ so the proper voltage can be set with a flip of a switch. The Smart-Logic® control eliminates damage if the machine is accidentally installed to the improper voltage.

ORDERING INFORMATION



MACHINES

Machine	Cat. No.	Input Voltage	Easy-Link™	Smart Logic®	LIFTIG Start	HF TIG Start	Gas Valve	Slopper	Pulsar	Arc Control	Hot Start TIG	Hot Start Stick	PrePost Flow	Spot Timer	Digital Meter	Arc Inductance	17 Pin Connector	14 Pin connector	8 Pin connector	3/8" BSP	EMC Compliant
400S	10-3015	208/230/460	X	X	X	-	-	-	-	X	-	X	-	-	0	-	-	-	X		
400S	10-3016	380/400/415	X	-	X	-	-	-	-	X	-	X	-	-	0	-	-	-	X		
400S	10-3017	460/575	X	X	X	-	-	-	-	X	-	X	-	-	0	-	-	-	X		
400GTS	10-3018	208/230/460	X	X	X	X	X	X	X	X	X	X	X	X	0	-	-	-	X		
400GTS	10-3019	380/400/415		X	X	X	X	X	X	X	X	X	X	X	0	-	-	-	X		
400GTS	10-3020	460/575	X	X	X	X	X	X	X	X	X	X	X	X	0	-	-	-	X		
400GMS	10-3021	208/230/460	X	X	X	-	-	-	-	X	-	X	-	-	X	X	X	X	-		
400GMS	10-3022	380/400/415		X	X	-	-	-	-	X	-	X	-	-	X	X	X	X	-		
400GMS	10-3023	460/575	X	X	X	-	-	-	-	X	-	X	-	-	X	X	X	X	-		
400GTS	10-3035	380/415		X	X	X	X	X	X	X	X	X	X	X	X	-	-	-	X	X	X
400S	10-3034	380/415		X	X					X		X			0				X	X	X
400GMS	10-3044	380/415		X	X					X		X			X	X	X	X	X	X	X

X = Provided as a standard
0 = Optional

ACCESSORIES

REMOTE CONTROL	CAT. NO.	ARC ON/OFF	CURRENT CONTROL	LENGTH	CONNECTORS	APPLICABLE TORCH HANDLE
400GMS						
Torch Switch	10-2001	X		25'/7.6m	14 Pin (Male)	N/A
Torch Switch	10-2002	X	X	25'/7.6m	14 Pin (Male)	5/8"-7/8" (15-21mm) Handle
Torch Switch	10-2003	X	X	25'/7.6m	14 Pin (Male)	7/8"-1 1/8" (21-28) Handle
Torch Switch	10-2004	X	X	25'/7.6m	14 Pin (Male)	1 1/8"-1 3/8" (28-34mm) Handle
Hand Pendant	10-2005	X	X	25'/7.6m	14 Pin (Male)	N/A
Foot Control	10-2007	X	X	25'/7.6m	14 Pin (Male)	N/A
Foot Control	10-2008	X	X	15'/4.6m	14 Pin (Male)	N/A
Extension Cables for Remote Controls for 400 GMS						
Ext. Cable	10-2030	X	X	3'/90cm	14 Pin (Male) & 14 Pin (Female)	N/A
Ext. Cable	10-2031	X	X	15'/4.6m	14 Pin (Male) & 14 Pin (Female)	N/A
Ext. Cable	10-2032	X	X	25'/7.6m	14 Pin (Male) & 14 Pin (Female)	N/A
Ext. Cable	10-2033	X	X	50'/15.2m	14 Pin (Male) & 14 Pin (Female)	N/A
Ext. Cable	10-2034	X	X	75'/22.8m	14 Pin (Male) & 14 Pin (Female)	N/A
Ext. Cable	10-2035	X	X	100'/30.4m	14 Pin (Male) & 14 Pin (Female)	N/A
Ext. Cable	10-2036	X	X	3'/90cm	17 Pin (Male) & 17 Pin (Female)	N/A
Ext. Cable	10-2037	X	X	15'/4.6cm	17 Pin (Male) & 17 Pin (Female)	N/A
Ext. Cable	10-2038	X	X	25'/7.6m	17 Pin (Male) & 17 Pin (Female)	N/A
Ext. Cable	10-2039	X	X	50'/15.2m	17 Pin (Male) & 17 Pin (Female)	N/A
400S & 400GTS						
Miscellaneous Accessories						
Digital Meter Kit	10-4000				Current and Voltage display with hold feature	
Adapter	10-4003	X	X	6"/150 mm	8 Pin (Male) & 14 Pin (Female)	N/A
Dinse Connector	10-2020				50 mm Dinse-style plug	
Remote Control						
Torch Switch	10-4006	X		15'/4.6m	8 Pin (Male)	N/A
Torch Switch	10-4007	X		25'/7.6m	8 Pin (Male)	N/A
Torch Switch	10-4008	X	X	15'/4.6m	8 Pin (Male)	5/8 -7/8"/16mm-22mm

400S & 400GTS Accessories continued - see page 4



MACHINE SPECIFICATIONS

400S & 400GTS ACCESSORIES - continued

REMOTE CONTROL	CAT. NO.	ARC ON/OFF	CURRENT CONTROL	LENGTH	CONNECTORS	APPLICABLE TORCH HANDLE
Torch Switch	10-4009	X	X	15'4.6m	8 Pin (Male)	7/8"-1-1/8"/22mm-29mm
Torch Switch	10-4010	X	X	15'4.6m	8 Pin (Male)	1-1/8"-1-3/8"/29mm-35mm
Torch Switch	10-4011	X	X	25'7.6m	8 Pin (Male)	5/8 -7/8"/16mm-22mm
Torch Switch	10-4012	X	X	25'7.6m	8 Pin (Male)	7/8"-1-1/8"/22mm-29mm
Torch Switch	10-4013	X	X	25'7.6m	8 Pin (Male)	1-1/8"-1-3/8"/29mm-35mm
Hand Pendant	10-4014	X	X	25'7.6m	8 Pin (Male)	N/A
Foot Control	10-4015	X	X	15'4.6m	8 Pin (Male)	N/A
Foot Control	10-4016	X	X	25'7.6m	8 Pin (Male)	N/A

Extension Cables for Remote Controls

Ext. Cable	10-4017	X	X	3'90cm	8 Pin (Male) & 8 Pin (Female)	N/A
Ext. Cable	10-4018	X	X	15'4.6m	8 Pin (Male) & 8 Pin (Female)	N/A
Ext. Cable	10-4019	X	X	25'7.6m	8 Pin (Male) & 8 Pin (Female)	N/A
Ext. Cable	10-4020	X	X	50'15.2m	8 Pin (Male) & 8 Pin (Female)	N/A
Ext. Cable	10-4021	X	X	75'22.8m	8 Pin (Male) & 8 Pin (Female)	N/A
Ext. Cable	10-4022	X	X	100'30.4m	8 Pin (Male) & 8 Pin (Female)	N/A

Miscellaneous Accessories (Kits are provided assembled ready to install)

Item	CAT NO.	DESCRIPTION
TIG Kit - 400S, 400GMS	10-4080	Includes: Arcair BG-26V-12 Tig Torch w/accessory kit, Victor HRF1425-580 regulator, Ground Clamp w/12 ft. cable and Dinse Connector attached
TIG Kit - 400GTS	10-4081	Includes: Arcair BG-26-12 Tig Torch w/accessory kit, 10 ft. gas hose Victor HRF1425-580 regulator, Ground Clamp w/12 ft. cable and Dinse Connector attached
STICK Kit	10-4082	Electrode Holder w/15 ft. cable and Dinse-style Connector attached Ground Clamp w/12 ft. cable and Dinse-style Connector attached
Dinse Connector	10-2020	50mm - Male for additional torches/electrode holders
Adaptor	10-4003	8 Pin (Male) to 14 Pin (Female)

	Duty Cycle	Output Amp	Output Voltage	No. Phase	INPUT VOLTAGE (VAC)						KVA	KW
					208 Input Amps	230 Input Amps	380 Input Amps	415 Input Amps	460 Input Amps	575 Input Amps		
Max Output	25%	400	36	3	61	55	33	30	27	22	21.9	16.9
	60%	300	32	3	40	37	32	20	18	15	14.6	11.3
No Load	-	-	-	3	1.4	1.3	0.8	0.7	0.6	0.5	0.5	0.3
Max Output	25%	280	31	1	78	70	-	-	35		16.2	10.2
	60%	210	28	1	53	48	-	-	24		10.9	6.9
No Load	-	-	-	1	2.4	2.2	-	-	1.1		0.5	0.3

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