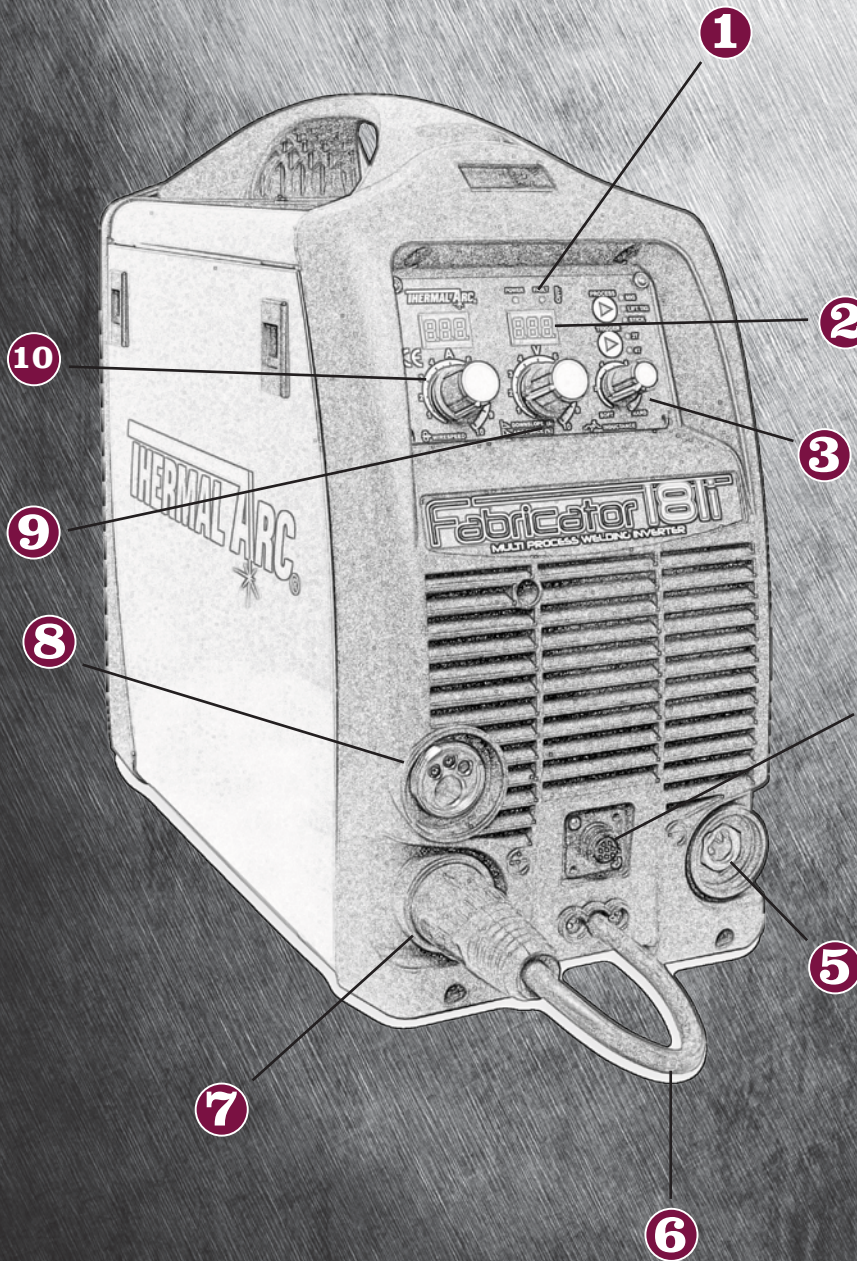


181i INVERTER

MULTIPROCESS WELDING SYSTEM



- 1) Power Indicator & Overheat Indicator Lights
- 2) Digital Meters
- 3) Arc Control (Inductance)
- 4) Remote Control Socket
- 5) Negative Weld Output 50 mm Dinse Receptacle
- 6) MIG Torch Polarity Lead
- 7) Positive Weld Output 50 mm Dinse Receptacle
- 8) MIG Torch Euro Adaptor
- 9) Multifunction Control - Voltage, Downslope & Arc Force
- 10) Amperage / Wirespeed Control



DC

**180
AMP**

**230
V**

**1
PHASE**

**CC
CV**



181i INVERTER:



The THERMAL ARC FABRICATOR 181i is a self contained single phase multi-process welding inverter that is capable of performing GMAW/FCAW (Mig), MMAW (Stick) and GTAW (Lift Tig) welding processes. The unit is equipped with an integrated wire feed unit, voltage reduction device (VRD applicable in stick mode only), digital voltage and amperage meters, and a host of other features in order to fully satisfy the broad operating needs of the modern welding professional.

MACHINE FEATURES:

- Full multi process capabilities: GMAW/FCAW (MIG), MMAW (STICK), GTAW(TIG)
- Accepts 100mm or 200mm wire spools
- Standards Compliant Voltage Reduction Device (VRD)
- Fully compliant to CE Standards
- Digital voltage and amperage meters
- Enclosure rated to IP23S
- 2 Year Limited Warranty

MACHINE SPECIFICATIONS

Processes	MIG(GMAW/FCAW), Stick (MMAW), Lift TIG (GTAW)
Supply Voltage	230 volt AC +/-15%, 50/60Hz
Current Range	10 – 180 Amps
Rated Output: MIG (GMAW/FCAW)	175A / 22.8V @ 25%
Stick (MMAW)	175A / 27.0V @ 20%
TIG (GTAW)	175A / 17.0V @ 25%
Recommended Generator	9 kVA for max. welding current
Power Source Dimensions: (H x W x D)	410 mm x 210 mm x 450 mm
Power Source Weight	14.6kg
Warranty	2 Years

MIG Welding Package (Part No. W1003186)

- Fabricator 181i Inverter Power Source
- 3m Tweco Weldskill 180 Torch
- Feed rolls: 0.6/0.8mm V Groove (fitted)
- Electrode Holder with 4m Lead
- Work Clamp with 4m Lead
- Shielding Gas Hose Assembly
- Shoulder Strap
- Operating Manual



Options and Accessories

Tweco WeldSkill 180A Mig Torch, 3m	WS180XE-10-3035	Nozzle 10mm	WS21-37
Tweco WeldSkill 180A Mig Torch, 4m	WS180XE-12-3035	Nozzle 13mm	WS21-50F
Tig Torch 17V with 4m lead	310.050.002	Nozzle 16mm	WS21-62
Tig Torch switch plug	10-9811	Contact Tip 0.6mm	WS11-23
Feed Roll 0.6/0.8mm V groove (hard), (fitted)	62020	Contact Tip 0.8mm	WS11-35
Feed Roll 0.9/1.2mm V groove (hard)	62022	Contact Tip 1.0mm	11-40
Feed Roll 0.8/0.9mm U groove (soft)	62179	Contact Tip 1.2mm	WS11-45
Feed Roll 1.0/1.2mm U groove (soft)	62024	Gas Diffuser	WS51
Feed Roll 0.8/0.9mm V knurled (flux cored)	62028	Liner 0.6mm wire	42-23-15
		Liner 0.8mm wire	WS42-3035-15
		Liner Alu wire	WS42N-3545-15



Thermadyne UK Tel: (44) 1257 261755 Fax: (44) 1257 224800
Thermadyne Italia Tel: (39) 02 36456801 Fax: (39) 02 36456840
www.thermalarc.com