



UWW-301 TP WIRE WELDER

PORTABLE, MULTI PROCESS WELDER

MIG-MAG/STICK/LIFT-ARC TIG WITH HYBRID ARC CONTROL

The UWW-301 TP Wire Welder inverter is a 3 phase, multi-process welding machine for wire welding, stick electrode welding and Lift-Arc TIG welding. It is compact and portable for maintenance and repair works used anywhere onboard.

Wide range of welding applications include for joining or crack repair, mechanical structures, hull plates and stiffeners, aluminium gangways, sea-fastening for heavy lift bulk carriers etc. where heavy welding and high deposition rates are required.

Features and benefits

- High Performance Portable Welder
 - Performs 3 in 1 Welding Processes i.e. Wire Welding, Stick Electrode Welding and Lift-Arc TIG Welding for all your welding needs onboard. Also compatible with SafeGrinder 42V.
- Hybrid Arc Control (HAC) and Synergistic function for Wire Welding
 - The HAC function provides a soft and very stable welding arc. Low heat input can be achieved in Short and Spray Arc Transfer mode. Meanwhile the Digital Inductance synergistic function allows operators to optimize arc dynamic with step-less regulation, precise and complete synergic settings.
- Safe for operator's use
 - The UWW-301 TP Wire Welder comes with a Voltage Reduction Device (VRD) that reduces the open Circuit Voltage (OCV) to 11 VDC, well below the 70 VDC limit set by Code of Safe Working Practices for Merchant Seafarers (COSWP, UK).
- Excellent reliability for maritime environment
 - The unique TP (Total Protection) function effectively prevents damage to the machine in case one phase in the primary power supply fails. Its electronic boards are specially coated providing high resistance against moisture and contaminants. These features help to ensure excellent reliability in the harsh maritime environment.

UWW-301 TP Basic Package

Product Number: 301301



The UWW-301 TP Basic Package is supplied with:

- ✓ 3.5m primary cable, mounted on the welding machine
- ✓ Set of wire guide tube and wire feeder drive rollers
- ✓ Gas hose socket with nut and hose clamp for connection to the gas inlet of the machine
- ✓ User instruction manual

Dimensions/Weight

Dimensions L x W x H [mm]	410 x 270 x 355 mm
Weight [kg]	19kg

Technical Data

Power Supply	3 Phase, 380V - 440 V / 50/60 Hz
Recommended fuses	400V ~±15% / 50/60 Hz: 16 A, slow blow
Welding current range	MIG-MAG: 5 A - 300 A TIG/MMA : 10 A - 250 A
Duty cycle at maximum current	35% MIG-MAG @ 40°C 50% TIG @ 40°C 40% MMA @ 40°C
Open circuit voltage	11 VDC
Protection class	IP 23S
Cooling system	Forced air

UWW-301 TP Consumables, Accessories and Spares:

Product Number	Product Name
301301	UWW-301 TP WIRE WELDER (power source only)
Accessories for Selfshield Wire Welding and Stick Electrode Welding	
670410	ACCESSORIES KIT F/UWW-301 TP WIRE WELDER
Consumables for Selfshield Wire Welding - Carbon Steel	
722228	MS-W-203 SELFSHIELD
Consumables for Selfshield Wire Welding - Stainless Steel	
699492	TENSILE-W-228 SELFSHIELD
Accessories for Gas Wire Welding (MIG/MAG)	
607451	WIRE TORCH T-400GS W/3M CABLE
Accessories for TIG Welding	
200000	TIG TORCH T-200 W.DIX 70 CONNECTOR
607810	TIG TORCH ACCESSORIES KIT
670414	REMOTE CONTROL F/UWI-320/500 & UWW-301
670422	REMOTE CONTROL CABLE FOR UWI-320/500
Accessories for Gas Shielded Welding (Wire/TIG)	
510010	REGULATOR 510 AR/CO2 FLOW 0-35L/MIN
597328	FLOWCONTROL METER, ARGON

Product Number	Product Name
Welding Safety PPE	
779032	AUTODARK 300 WELDING SHIELD
632786	WELDERS GLOVES, 6 PAIRS
632794	TIG GLOVES, 6 PAIRS
Welding Accessories	
632976	WIRE BRUSH STEEL, 6PCS
633008	CHIPPING HAMMER ST, 2PCS
632984	WIRE BRUSH STAINL, 6PCS
632992	CHIPPING HAMMER STAINLESS
633149	ANTI SPATTER SPRAY, 6PCS
661778	PICKLING GEL 2L F/STAINLESS STEEL
Spares & Consumables	
750194	CONTACT TIPS 1.2MM 10 PCS T-350 TORCH
750196	CONTACT TIPS 1.0MM 10 PCS T-400 TORCH
230237	SPARE PART KIT F/UWW-301 TP
609716	SPARE ROLLER & WIRE GUIDE F/UWW-301 TP

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