

## MMA 300 cel

290-010300-00000



- TEAMWELDER 300 cel – 100% safe for vertical-down welding, the specialist for pipe construction
- MMA and TIG lift arc welding
- Completely safe for vertical-down welding with cellulose electrodes
- Antistick – no electrode annealing
- Hot start – safe ignition and re-ignition of electrode
- Arcforce – adaptation to electrode types
- Setting and display of welding current and voltage, including hold function for reading off values after welding
- Inverter technology: Lightweight and compact design, high efficiency and standby function
- 100% suitable for construction sites: Splash-proof, unrestricted generator operation, connection to long mains leads, robust casing

- Production and repair work in workshops, for assembly work and on construction sites
- Pipe and pipeline construction
- Outdoor and offshore welding work
- Steel construction
- Container construction and machine and plant engineering
- Shipbuilding
- Mining operations
- Building construction and road-building

	MMA	TIG
Setting range for welding current	10 A - 300 A	
Duty cycle at ambient t.e	40 °C	
25 %	300 A	–
30 %	–	300 A
60 %	220 A	240 A
100 %	170 A	190 A
Open circuit voltage	107 V	
Mains frequency	50 Hz / 60 Hz	
Max. connected load	12.1 kVA	8.3 kVA
Recommended generator power	16.3 kVA	11.2 kVA
cos φ	0.99	
Efficiency	88 %	
Dimensions machine, LxWxH in mm	515 x 185 x 350	
Weight, machine	16.5 kg	
Protection classification	IP 23	
Standards	IEC 60 974-1; -10 / S-Safety sign / EMC class A IEC 60 974-1; -10S-Safety sign, EMC class A	



## MMA 300 CEL

**100% safe for vertical-down welding –  
Made for pipe construction!**

**Easy transport and high power  
at any operating site!**

- Low weight and slim design
- High duty cycle
- Practical holding rod and handles, plus carrying strap for effortless transport

**Energy cost-saving inverter technology**

- High efficiency
- Standby function



**Perfect for pipe construction**

- 100% safe for vertical-down welding of cellulose electrodes
- Reproducible, safe ignition thanks to a high open circuit voltage and hot start function
- Stable arc, easy-to-control weld pool

**TIG lift arc**

**Remote control connection**

For welding current adjustment

**100% suitable for construction sites**

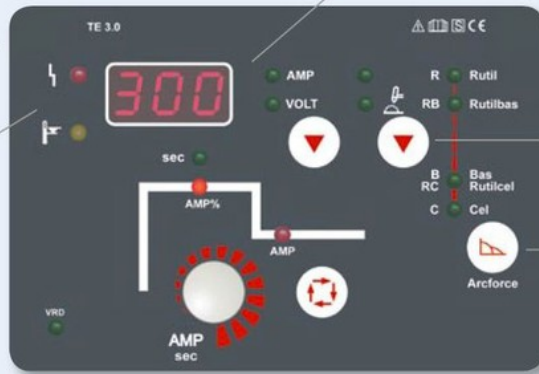
- Large mains voltage range for unlimited operation with generators and **up to 100 m-long mains lines**
- Splash-water protected as per IP 23
- Indestructible metal casing
- Operating elements placed in protected location

**Safe and reliable**

- Temperature-overload protection
- Dust-protected electronics

**Self-explanatory operating panel**

- One-knob operation and LED user guidance
- Large rotary knob for safe operation, even with gloves



**Reproducible setting and display**

- Welding current
- Welding voltage
- Hold function for simple reading of welding current and voltage after welding

**Welding procedure selection**

- MMA
- TIG lift arc

**Arcforce adjustment (welding characteristics) depending on the electrode type**

- Rutile (R)
- Rutile-basic (RB)
- Basic (B)/Rutile-cellulose (RC)
- Cellulose (C)

**Indicators**

- Ready for operation
- Interference

**Antistick – No electrode annealing**

If the electrode sticks, e.g. due to a low welding current, the system automatically switches to the minimum current level

**Infinite adjustment of hot start current and time**

- Safe ignition and re-ignition of the electrode, which prevents lack of fusion
- Top quality at start of seam and for arc strike points (no excess weld metal)

## System components for welding MMA

WK50mm<sup>2</sup> 350A/60% 4m/K  
092-000003-00000



- Fully assembled welding leads

EH 50qmm 4m  
092-000004-00000



- Fully assembled electrode holder with cable

## Accessories

### TW-SR 26 GDV 4m

294-080240-10104



- Gas cooled TIG welding torch with rotary gas valve
- Compatible with SR replacement parts
- For connection to welding machines without gas valve
- Please ensure the welding torch is always equipped according to the diameter of the tungsten electrode
- **Standard equipment ex works:** 2.4 mm-dia. electrode (purple), 2.4 mm-dia. collet, 2.4 mm-dia. collet body, 12.5 mm-dia. gas nozzle, long back cap

### BWG UNI

295-001001-00000



### TW-RT1 19POL

290-008097-00000



- Remote control, current
- Infinitely adjustable welding current (0% to 100%) depending on the main current preselected at the welding machine.
- Operating point setting directly at the site of welding
- Robust metal casing with rubber feet, retaining clip and holding magnet

### TW-RA5 19POL 5m

292-001470-00005



- Connection cable e.g for remote control

## Accessories

### DMR TN 200B AR/MIX 16L

394-000850-00000



- Pressure regulator in ergonomic design
- For non-corrosive industrial gases
- Single-stage design with a high level of precision
- Central filter in pressure regulator
- Safety manometer in accordance with BS EN ISO 5171
- Compact design
- Integrated relief valve

### DM 842 Ar/CO2 230bar 15l D

394-002910-00015



- Pressure regulator with manometer
- Manufactured in accordance with ISO 2503
- Maximum primary pressure of 230 bar
- Single-stage
- Infinite and highly accurate adjustment
- Safety manometer with pressure meter or flow meter (bar/psi or litres per minute)
- With cut-off valve

### SE 6013 RC BLAU 2.0mmX300

097-003530-20300



- Rutile/cellulose coated stick electrode
- Can be welded in any position, including vertically down
- Excellent ignition and reignition characteristics
- Even with rusty, primed and galvanised workpieces thanks to the aggressive arc
- Very good mechanical quality values

### SE 6010 CEL 4.0kg/Paket 2.5x300mm

097-003576-25300



- Cellulose-coated stick electrode
- Can be welded in any position, including vertically down
- Particularly suitable for vertical down welding of root, filler and final passes
- Excellent mechanical quality values