# ULTRAMIG 315

## High Performance MIG Welder

AMH®

**Innovative technology designed to obtain optimum results in any welding application without any compromises.**

- Designed for industrial and manufacturing use.
- Ultra fine tuning system for greater precision.
- 100% microprocessor controlled.
- Synergic control for faster and easier operation.
- Heavy duty power for any welding application.
- Allows the user to perform MIG aluminium, steel, stainless and FLUX welding.
- Three welding modes: continuous, spot and stitch (standard).
- Fully automatic or manual for special applications (standard).
- 4 drive wheels (standard).

**No. Reference** UltraMig 315 (380-415V): 28.700.00.07

**No. Reference** UltraMig 315 (208-230V): 28.700.00.05

**State of the art technology at your finger tips**

# ULTRAMIG 315

## Technical Specifications

| | |
|---|---|
| **Main Power** | **200-240V / 380-415V / 1 Phase** |
| **Fuse or Breaker** | **50A / 32A** |
| **Output current range** | **40** to **365A** |
| **Input power** | **15.0KVA** |
| **Open Circuit Voltage** | **36V** |
| **Rated** | 365A @ 30% Duty Cycle, 32VDC<br>315A @ 40% Duty Cycle, 30VDC<br>260A @ 60% Duty Cycle, 27VDC<br>200A @ 100% Duty Cycle, 24VDC |
| **Maximal Output Amperage** | **365A** |
| **Speed Wire** | **2,5 - 12 m/min** |
| **Number of Drive Rollers** | **2** (automatic adjustment) |
| **Welding Torch** | **3m** (10ft) or **4.6m** (15ft) |
| **Insulation Class** | **H** |
| **Protection Degree** | **IP-21** |
| **Drive Wheels System** | **4** |

## Dimensions

| | |
|---|---|
| **Assembled** (L x l x h) | **975x 425x 800 mm** (38"x 17 "x 32 ") |
| **Weight Welder** | **143kg** (315lb) |
| **Shipping Welder Box** | **508x 812x 1016 mm** (20x 32x 40 in) |

## Wire Recommendations

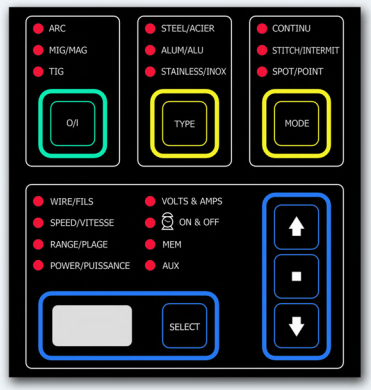
| | |
|---|---|
| **Wire Size** | **0,6mm** (.024") **- 0,8mm** (.030") **- 0,9mm** (.035") **- 1,2mm** (.045") |
| **Steel Recommendation** | **Class E70Z-6 / Class E70S-3** |
| **Stainless Steel Recommendation** | **Alloy 308** |
| **Aluminium Recommendation** | **Alloy 5356** |

## Gas Recommendations

| | |
|---|---|
| **Steel** | **25% $CO_2$ + 75% Argon** |
| **Stainless Steel** | **25% $CO_2$ + 75% Argon** |
| **Aluminium** | **100% Argon** |
| **Brass** | **100% Argon** |

## Advantages

### POWER
The UltraMig 315 is a 100% microprocessor controlled welder. The microprocessor controls and synchronizes the arc setting to achieve top quality welds using steel, stainless steel, aluminium and copper alloy wires or, flux core wire with a minimum of sparks. The internal device controls the input voltage without interfering with the weld.




### ACCURACY
No more guess work. The voltage, current and wire feed parameters are easily tuned by the single control knob mounted on the gun handle. Simply turn the knob to desired setting. The microprocessor always maintains a smooth and stable arc in total harmony. The results are perfect welds at any setting from short to spray arc. Four different welding ranges: low, high, fixed and manual.

### ADVANCED WIRE DRIVE SYSTEM
Ultra reliable feeding system: **UltraMig 260A** has the most advance wire drive system. Both rolls are gear driven, the patented design prevents wire slipping or pigtailling (patented).

### VERSATILITY
Switch from steel to aluminium or stainless wire without changing wire drive rolls. No adjustment needed regardless of wire size (patented).
Reverse the polarity for welding with flux core wire.

### SYNERGIC SPOOL GUN
Designed to effectively weld soft material wire such as aluminium. A control knob on the spool gun handle permits welding at distances up to 75 feet. Light weight, compact and ergonomically designed to optimize operator control.

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