

MIG 215 AL SYNERGIC



PULSED

BRAZING

Push-Pull



Its compact, innovative design, low power consumption, reduced dimensions and weight and high efficiency make it a highly useful and versatile professional tool for a wide range of applications in workshops, car body repair shops, on job-sites and in medium-sized production plants.

MAIN FEATURES

- Exceptionally **good arc stability** at low amp rating.
- Minimised thermal alteration in the welding seam area even when thin parts are welded, especially using **pulse operation**.
- **Complete control** and management of the variables determining the welding conditions with pulsed current, through the control panel.
- Possibility to use the **Push-Pull torch P3KP for welding aluminium with wire of diameters** from 0.6 to 1.0 mm.
- **Possibility to use special wires** as corrosion-proof copper-silicon wire (braze welding) and AlBz8 wire.
- Possibility to be used for **spot welding** by adjusting the working time/idle time with the Intermittent operation function.
- **Wide range of memory stored synergic curves** representing the most common welding operation conditions; new synergic curves can be afterwards added to the power source memory.
- **Synergic operation**, that permits controlling the welding conditions through just one variable, all the others being preset and dependent on this.
- Easy to use interface.
- Easy to learn operation also for less skilled welders.
- Highly professional and customisable by more experienced welders.
- **On request**, a trolley for the transport and a kit allowing the use of 15 kg - 300 mm diameter wire reels are available.

Thanks to **pulse** operation and **inverter** technology, enabling to achieve ideal control of welding variables, this synergic single-phase power source is particularly suitable for MIG MAG welding of materials generally known as "difficult", such as aluminium and galvanised sheet iron, as well as carbon steel and stainless steel. It has a manual/synergic control panel with memory-stored curves and electronic adjustment of arc height and inductance ratings, spot-welding times and idle times, which make it extremely easy to use.

SINGLE-PHASE SYNERGIC INVERTER POWER SOURCE FOR MIG MAG WELDING

TECHNICAL DATA

Model	MIG 215 AL SYNERGIC PULSED		
Code	S00292		
Input voltage	1x230V 50-60Hz		
Absorbed power	35% 7,4 kVA	60% 5,9 kVA	100% 5,4 kVA
Current range	15 ÷ 200 A		
Duty cycle	35% 200A	60% 160A	100% 145A
Stepless regulation	ELECTRONIC		
Usable wire	0,6 -0,8 (1) FE / 0,6 -0,8 - 1 Al / 0,6 -0,8 (1) Inox / 0,8 CuSi 3%		
Standard wire reel size	Ø 200 mm / 5 kg.		
Protection class	IP 23		
Construction standard	EN 60974 - 1 EN60974 - 10		
Dimensions	255x440x475h mm		
Weight	21 kg		

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Pos	Descrizione	Description	Beschreibung
A	LED rilevazione corrente di saldatura	LED signalling the welding current	LED für die Schweißstromsignalisierung
B	Manopola velocità del filo e parametri curve sinergiche	Knob to adjust the wire speed and synergic curve parameters	REGLER Drahtvorschubgeschwindigkeit und Parameter der Synergiekurven
C	LED indicante la funzione puntatura	LED indicating the spot-welding functions	LED für die Anzeige der Punktschweiß-Funktion
D	Manopola tempo di puntatura	Spot-welding time knob	Regler Punktschweißzeit
E	Attacco centralizzato	Central adapter	Zentralanschluss
F	Presa morsetto di massa	Earth clamp socket	Steckbuchse für Masseanschluss
G	Display	Display	Anzeige
H	LED funzione programma pulsato sinergico	LED indicating the pulsed synergic function	LED Funktion synergetischen Impulsschweißen
I	Manopola tensione di saldatura e tensione all'interno della curva sinergica	Knob to adjust the welding voltage and voltage within the synergic curve	Regler Schweißspannung und Spannung innerhalb der Synergiekurve
L	LED funzione saldatura in continuo	LED indicating the continuous welding function	LED Funktion Dauerschweißen
M	LED funzione intermittenza	LED indicating the stitch function	LED Funktion Intervallschweißen
N	Manopola regolazione tempo di pausa	Pause time setting knob	Regler für die Einstellung der Pausenzeit
O	Tasto per la scelta del modo di saldatura e per la regolazione delle funzioni di servizio	Key for the welding mode selection and the service functions adjustment	Taste für die Wahl des Schweißverfahrens und die Dienstfunktioneneinstellung
P	Manopola regolazione impedenza	Impedance adjustment knob	Regler für die Einstellung der Drosselwirkung
Q	Display del numero di programma in uso	Current program display	Anzeige der Nummer des in Gebrauch befindlichen Programms
R	Tasto per la scelta del programma e per la regolazione delle funzioni di servizio	Key for the program selection and the service functions adjustment	Taste für die Programmwahl und die Dienstfunktioneneinstellung
S	Connettore del PUSH - PULL	PUSH - PULL connector	Steckvorrichtung PUSH-PULL

Pos	Description	Descripción	Descrição
A	Témoin pour la détection du courant de soudage	Led para la detección de la corriente de soldadura	Led para a detecção da corrente de soldadura
B	Poignée de vitesse du fil et paramètres courbes synergiques	Botón velocidad del alambre y parámetros curvas sinérgicas	Botão velocidade do fio e parâmetros curvas sinérgicas
C	Témoin indiquant la fonction pointage	Led indicando la función de soldadura por puntos	Led de indicação função de soldadura por pontos
D	Poignée temps de pointage	Botón tiempo de soldadura por puntos	Botão tempo de soldadura por pontos
E	Prise centralisée	Enchufe centralizado	Conexão centralizado
F	Borne de masse	Toma borne de tierra	Tomada borne de terra
G	Affichage	Display	Display
H	Témoin fonction programme synergique pulsé	Led función programa pulsado sinérgico.	Led função programa pulsado sinérgico.
I	Poignée de tension de soudure et tension à l'intérieur de la courbe synergique.	Botón tensión de soldadura y tensión en el seno de la curva sinérgica	Botão tensão soldadura e tensão no sentido da curva sinérgica
L	Témoin fonction de soudage en continu	Led función soldadura en continuo	Led função soldadura contínua
M	Témoin fonction intermittenza	Led función intermitencia	Led função intermitência
N	Poignée de réglage temps de pause	Botón regulación tiempo de pausa	Botão regulação tempo de pausa
O	Bouton pour le choix du mode de soudure et pour le réglage de fonctions de service	Tecla selección del modo de soldadura y regulación des funciones de servicio	Tecla seleção do modo de soldadura e ajustamento de funções de serviço
P	Poignée de réglage impédance	Botón regulación impedancia	Botão regulação impedância
Q	Affichage n° de programme en cours.	Display n° de programa utilizado	Display n° de programa utilizado
R	Bouton pour le choix du programme et pour le réglage de fonctions de service	Tecla selección del programa y regulación des funciones de servicio	Tecla seleção do programa e ajustamento de funções de serviço
S	Connecteur du PUSH-PULL.	Conector del PUSH-PULL	Conector do PUSH-PULL