

Standard model

# KR II Series

Thyristor-controlled CO<sub>2</sub>/MAG Welding Machine

CO<sub>2</sub>/MAG

The best selling model



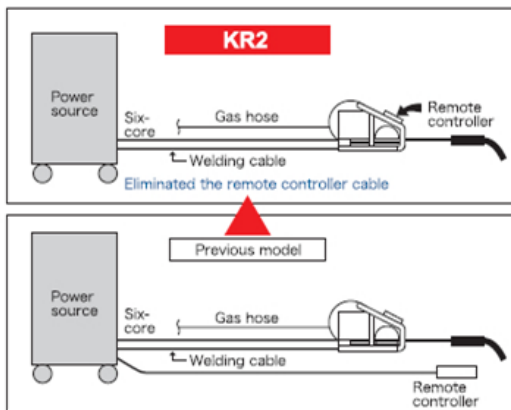
KR II 200

KR II 350

KR II 500

### Non-remote control cable design

- By carrying the remote controller on the wire feeder and improvement of control circuit, the original two pieces of cable was integrated to one piece. This realized light weight, improved mobility and decreased wire breaking trouble.



### Convincing high reliability

- High insulation strength (Class H), high temperature resistance and good dust proof structure are adopted in main transformer and reactor.
- IP (International Protection) class of enclosure is IP21S and it effectively prevents the affection and interference of the main circuit to the control circuit. And moisture-proof, drip-proof and dust-proof structure enables the operation under adverse circumstances.

### Good welding performance

- KR2 adopts the special control circuit which realizes low spatter welding in short circuit transfer and spray transfer of CO<sub>2</sub>/MAG welding.
- The arc starting circuit ensures high rate of success of arc start, which reaches to almost 100% under any operating mode within the technical specifications. It is also possible to be equipped with various automatic welding systems.

### With Individual and Simple Unitary mode

- When Simple Unitary mode is selected and welding current is set by the current adjustment knob on the remote controller, almost corresponding welding voltage is automatically set. Fine-tuning of voltage is also possible.

### Various kinds of user-friendly design

- Exclusive protection function of secondary short-circuit current can avoid over burning of thyristor and transformer under short-circuit and make recovery after short-circuit is released.

Popular model with outstanding performance and wide application!

### Rated specifications

Model		YD-200KR2	YD-350KR2	YD-500KR2
Control method	-	Thyristor		
Input power source frequency	Hz	50 / 60		
Rated input capacity	kVA/kW	7.6 / 6.5	18.1 / 16.2	31.9 / 28.1
Rated output current	A	200	350	500
Rated output voltage	V	24	31.5	39
Rated duty cycle	%	60	50	60
Rated output no-load voltage	V	37	52	66
Output current range	A	50~220	60~380	60~550
Crater current range	V	16.5~25	17~33	17~41.5
Crater voltage range	A	50~220	60~380	60~550
Output voltage range	V	16.5~25	17~33	17~41.5
Method of welding	-	Individual/Unitary		
Enclosure protection class	-	IP21S		
Insulation class	-	H		
Cooling mode	-	Forced air cooling		
Applicable welding wire type	-	Solid / FCW		
Applicable welding wire diameter	mm	Solid 0.8/1.0/1.2		Solid 1.4/1.6/1.2
	mm	FCW 0.8/1.0/1.2		FCW 1.2/1.4/1.6
Overall dimensions(W×D×H)	mm	376x675x747		436x675x762
Mass	kg	89	117	158
Wire feeder		YW-20KB3	YW-35KB3	YW-50KB3
Applicable welding wire diameter	mm	0.8/1.0/(1.2)		1.2/1.6
Length of cable	m	1.8		
Welding torch		YW-20CS3	YW-35CS3	YW-50CS3
Rated current	A	200	350	500
Rated load sustaining rate	%	CO <sub>2</sub> :50 MAG:25	CO <sub>2</sub> :60 MAG:35	CO <sub>2</sub> :70 MAG:35
Applicable welding wire diameter	mm	0.8/1.0/(1.2)		1.2/1.6
Length of torch cable	m	3		
Gas regulator		YX-25CD1		

### Various kinds of protection functions, convenient functions and good expandability.

- Overheat protection
- Under-voltage protection
- Output over-current protection
- Lighting-proof circuit
- Adjustable burn-back time
- Pre-flow on-off selection
- Current detection terminal for peripheral equipment