

CRP-CAW-V1

Arc Tracking Sensor

CRP-CAW-V1 is a own R&D universal type arc tracking sensor, it will not be affected by ,arc light, dust during the working process, so it has high reliability. It can be used under different welding conditions by Fuzzy Control.

This sensor can track fillet weld, butt weld, lap weld coordinating with the CRP control system. It's supper convenient and easy to use. It only needs simple adjustment after installation without changing the structure and then it can track the welding. So it can improve the welding productivity for the low precise assembled plate.



• Application condition

1. Welding method(shield gas): CO2&MAG
2. Wire diameter: 1.0-1.2 mm
3. Wire dry extension of electrode: 15-20 mm
4. Weld leg length/thickness: >6 mm
5. groove angle: <90°

• Welding condition

1. Welding current: >200 A
2. Welding speed: <8 mm/s
3. Minimum welding length: 70 cm
4. Swing radian: 3-5 mm
5. Swing frequency: 2-4 Hz
6. Swing type: Z-shape

• Process and Interface



Left/right offset parameter

Left/right offset fuction	25
Left/right offset sensitivity	0
Left/right offset quantity	0 %
Left/right minimum offset	0 mm
Left/right total maximum offset quantity	200 mm
Left/right maximum offset quantity each time	1 mm
Left/right offset start count	0

Process No.	0	Annotation	
Up/down offset parameter			
Up/down offset function	08	Up/down offset start count	0%
Up/down reference current		Up/down reference sampling start count	0%
Offset coordinate system		Up/down reference sampling count	0%
Sampling time	100	Up/down reference current constant	0
Up/down offset sensitivity	25		
Up/down offset quantity	0		
Up/down minimum offset	0		
Up/down total maximum offset quantity	200		
Up/down maximum offset quantity each time	1.0		