



## **WCD-01** Weld Pool Monitoring System

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# WCD-01 Weld Pool Monitoring System



## Specifications

Model	WCD-01
Input Power	AC100V~240V / 50;60Hz / Single-phase
Camera Category	Infrared Camera (For welding)
Camera Resolution	1280*1024 / 60fps
Imaging Type	Grayscale
Focal Length	25mm / (Optional) 42mm
Focusable Distance	160mm ~ 250mm
Fill Light	None
Operating Temperature	-40°C ~ +85°C
Camera Size	L:80*W:46*H:46 (Unit:mm)
Cooling Solution	Passive Air-Cooling / (Optional) Forced Water-Cooling
Camera Fixtures	11" Flexible Clamp Arm
Power Cord Length	10M
Display Cable Length	10M
Monitor Spec.	15" LCD Screen / 1280*1024 / with Stand

## Features

Ideal for monitoring welding areas that are difficult for personnel to observe directly, enabling real-time viewing of welding conditions via a screen.

Equipped with specialized photosensitive mechanism designed for welding environments, displaying the welding pool clearly without being affected by intense welding light.

Featuring compact design, suitable for installation in narrow / tight spaces.

(Optional) Water-Cooling Kit: Ideal for working environments requiring long-time continuous welding monitoring, helping prevent camera from overheating.

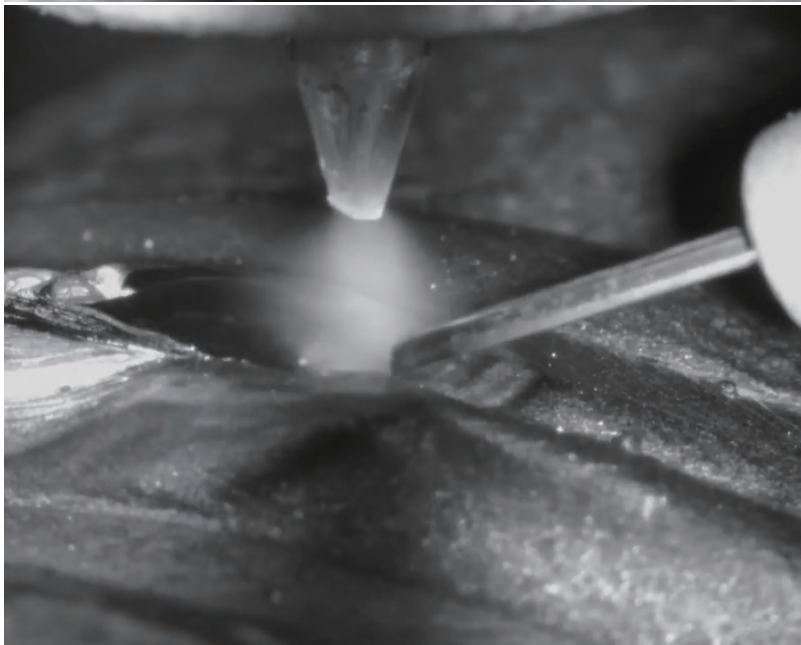
(Optional) Adjustment Slider Kit: Ideal for working environments requiring frequent fine-tuning of the lens focus, helping reduce adjust time.

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## Demonstration

Setting: TIG + Filling

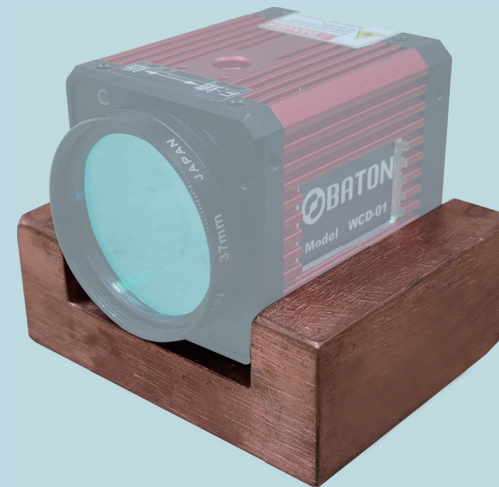


## Comparison

	WCD-01	WCD-02
Scope of Application	Weld pool / Weld joint / Weld bead	Weld joint / Weld bead
Image Quality	Clear	Acceptable
Applicable Welding Method	MMA/MAG/MIG/TIG/PAW	MAG/MIG/TIG/SAW
Price	Higher	Lower

## Optional Accessory

### Water-Cooling Kit



Ideal for working environments requiring long-time continuous welding monitoring, helping prevent camera from overheating. (\*For reference only)

### Adjustment Slider Kit



Ideal for working environments requiring frequent fine-tuning of the lens focus, helping reduce adjust time.