

1. ARC MONITORING SYSTEM FOR WELDING

P: 2/3

A. IMAGE VIEWING MODULE

Essential Components; Specifications/Features:

- Operational frequency;
 - 50/60 Hz
- Sensor along with Resolution;
 - Ultra Wide Dynamic range
 - 1280(h) x 1024(v)
- Focal Distance Range;
 - Upto 5m distance to motive (for both cameras)
- Cleaning System;
 - Air or Gas.
- Min. Ambient Temperature;
 - 50 °C (without cooling)
 - 150 °C (with water cooling)
- Protection;
 - Dust and Smoke protection due to permanent air flow.

Accessories:

- Hinge Stand;

Flexible hinge stand for rapid camera positioning.
- Light Source;

Halogen light source with adjustable bracket for variable positioning.
- Protective Glass;

Activated electronically for welding purpose.

B. CONTROL MODULE

Essential Components; Specifications/Features:

- Input Rating;
 - Voltage : 220 VAC
- Camera Modules;
 - Dual Type 2 Camera Modules with Robust Housing
 - Inter changeable Image Selection (Camera 1 and Camera 2) along with split Screen option
- Display;
 - 15" LED/LCD based color display with Protection glass
- Image Adjustment;
 - Manual Focus and Brightness adjustments for sharp and high contrast

Accessories:

- Recorder & Remote Control:
Recorder to be included along with ports
- Network Port:
System should have Ethernet port for networking with Control Panels

Make:

Fronius or Red-D-Arc or Equivalent

2. HIGH DEFINATION MONITORING SYSTEM FOR WELDING

Description:

HD monitoring systems are efficient means of visual monitoring as per requirement.

A. IMAGE VIEWING MODULE

Essential Components; Specifications/Features:

- Resolution:
 - High Resolution 1080P HD Video Output
- Output:
 - CVI, TVI, AHD Output
- Range:
 - Should be capable for monitoring of area up to 5m distance
- Image Resolution:
 - 1080P (H) x 1080P (V)
- Operating Temperature:
 - -20 °F to +120 °F
- Pan Tilt & Zoom (PZT):
 - 360 Degree Pan Tilt driver with micro step along with Zoom option
- Power Rating:
 - DC Voltage : 24V

Accessories:

All Necessary Accessories:

Make:

Canon, Panasonic or Equivalent.