



Resistance Welder Maintenance for the Electrician

Fundamentals

1 day course – hands on in laboratory

Equipment construction, electrical schematics, weld schedule nomenclature,, equipment safety features, ac-dc-mid-frequency waveforms and their advantages and limitations

Quick-checks to ensure proper equipment function

Electrical systems and secondary loop condition checks, use of weld current waveforms to diagnose equipment function, correlating primary and secondary currents with tooling condition

Detailed Instrumented equipment maintenance

Secondary loop checks, electrical waveform checks, transformer checks, SCR (thyristor) checks, weld current sensor position sensitivity checks, instruments needed for the maintenance work, documentation

