

# VIRTUAL WELDING SIMULATOR



Welding Simulator -Main Unit



## **MODEL : TP-WELD-SIMULATOR (VR/AR-1001)**

<p>WELDING SIMULATOR</p> <p>Select: Types of Joints</p> <p>Fillet/Te Groove/But Pipe Joint</p>	<p>WELDING SIMULATOR</p> <p>Select: Welding Process</p> <p>SMAW GMAW GTAW</p>	<p>WELDING SIMULATOR</p>	<p>WELDING SIMULATOR</p>
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# About Welding Simulator

Virtual Welding Simulator enables students to rapidly refine basic welding skills, Learn welding technique and explore welding path in a safe, virtual environment, without the need for consumables like welding metal & gas. It is designed to give training of welding process and to monitors & performance of welding operator. The unit monitors efficiency of welder by monitoring common faults during the welding process.

## FEATURES

1	<b>Input Supply</b>	20-230 V AC single phase 50-6Hz
2	<b>Welding process</b>	SMAW, GMAW, GTAW, 2 STEP/4 STEP,STICK, FCAW,MIG
3	<b>Conformity to certification</b>	CE
4	<b>Position</b>	1G, 2G, 3G, 4G, 5G & 6G, 1F, 2F, 3F,4F, 5F Butt Joint, T, LAP joint Pipe to Pipe
5	<b>Language</b>	English & Regional Languages
6	<b>Base Material</b>	Mild steel, Alloy Steel, Stainless steel
7	<b>Welding guns</b>	GMAW/FCAW, RETRACTABLE SMAW, GTAW
8	<b>Weld Technique</b>	Push, Drag, straight, stringer, weave
9	<b>Connectivity</b>	Wi-Fi/LAN
10	<b>Passes</b>	Push, Drag, Straight stringer,
11	<b>Machine display screen</b>	Theory, Process selection, Environment, Coupon configuration, Table setup, Incorrect welding setting.
12	<b>Screen view</b>	Welder, instructor, evaluation view
13	<b>Shielding gas combinations</b>	75-25 ACM, 90-10 ACM,100% CO2,100% Argon, 80-20 ACM
14	<b>Feedback system</b>	Welding path, Speed, Travel angle, Weld angle, Arc length/Stick
15	<b>Demo weld mode</b>	Provided
16	<b>Gas options</b>	GMAW-CO2, Argon + CO2, GTAW – Argon, Argon + Helium
17	<b>Weight</b>	50 Kg