

Technical Specification for AURA P Welding Simulator

SNo	Description	Range/ Qty
1.	Input Supply	230V, AC, 1Ph, 50Hz
2.	Process support	SMAW / GMAW /GTAW Fusion Mode
3.	Weight of complete package	Max 18 kg for the simulator unit
4.	Max power consumption	200 W
5.	Display Monitor	21" inch screen
6.	Random Access Memory	4GB
7.	Welding position competency	1G,2G,3G,1F,2F,3F
8.	Built in Lessons	100 or more
9.	Licensed windows based operating system	One no
10.	User login & Grading facility	Unlimited users
11.	Report feature	On-screen and also Exportable to CSV/Excel Format, email reports
12.	Report content in user login	Students score cards, number of plates practiced for each weld position
13.	Report content in admin login	Score cards, number of plates for each weld position and training cost savings summary
14.	Calibration method	User – self calibration
15.	Connectivity	Wi-Fi
16.	SMAW ,GMAW , GTAW torch	01 no each – based on the model chosen
17.	Electrode consumption simulation	Retractable electrode
18.	On screen feedback parameters	SMAW <ul style="list-style-type: none"> • Work angle • Travel Speed • Welding discontinuity

		<p>GMAW</p> <ul style="list-style-type: none"> • Work angle • Electrode Stick out • Travel Speed <p>GTAW</p> <ul style="list-style-type: none"> • Work angle • Non-consuming Electrode Stick out
19.	Gloves	1 pair
20.	Apron shield	1 no
21.	Metal thickness option – Thin metal (single pass)	1.6 mm - 6 mm
22.	Metal thickness – Thick Metal (multi-pass, retaining weld from the previous pass)	6 mm – 15 mm
23.	Mistake Proofing alerts for wrong weld position, wrong torch for process selected	On screen message & Pictorial illustration
24.	Polarity Selection:	DC+, DC- and AC
25.	Job selection method	Virtual work-piece, which will not be lost or Damaged
26.	Simulator welding ambience	No physical spark & Fumes
27.	Post weld analysis methods	NDT and DT equivalent
28.	Working environment	<ol style="list-style-type: none"> 1. No requirement of Air Conditioning 2. Simulator working should not be affected by lighting conditions of the room 3. Simulator working should not be affected by electromagnetic devices like welding machines, transformers, in the same lab