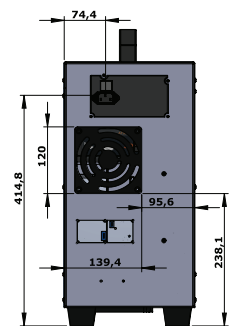
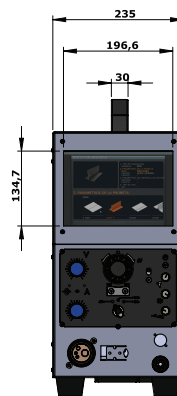
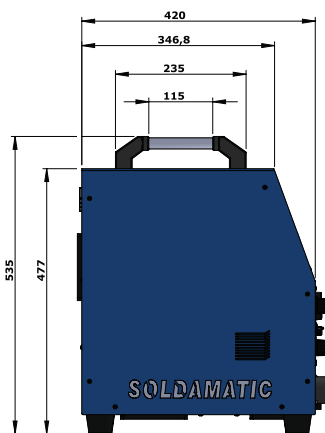


## EDUCATIONAL SIMULATION TECHNOLOGY FOR WELDING

# DATA SHEET



## EDUCATIONAL SIMULATION TECHNOLOGY FOR WELDING DATA SHEET

Supported welding processes	Manual Arc Welding, MIG/MAG, TIG. SMAW, GMAW, FCAW , GTAW.
Supported joints	Standard version: Plate V-butt joint, plate lap joint, plate T-joint, pipe V-butt joint and pipe plate T-joint. Optional: any other joints at the customer's request.
Welding positions ISO 6947:2011 ANSI/AWS A3.0M/A3.0:2011	PA, PC, PF/PG, PE, PH/PJ, H-L045/J-L045, PB, PD 1F, 2F, 3F, 4F, 1G, 2G, 3G, 4G, 5G, 6G
Workpieces positions	Horizontal, vertical, flat, overhead
Voltage selection	10V - 36V      MIG/MAG (GMAW), FCAW 12V-36V
Intensity (Amperage) selection	Electrode (SMAW) 50A-240A MIG/MAG (GMAW), FCAW, TIG (GTAW) 25A-270A
Polarity selection	DC+, DC-, AC
Shielding gas selection	Standard version: CO <sub>2</sub> , Argon and mixtures. Optional: O <sub>2</sub> , Helio, Nitrogen, etc. Gases mixtures configurable by the customer.
Wire speed selection	MIG/MAG (GMAW), FCAW 1.2-20.0 m/min.
Base material selection	Standard version: carbon steel. Optional: inox steel, aluminium, nickel, copper, etc. Any other material at the customer's request.
Workpiece thickness selection (Any other thickness at the customer's request.)	Standard version: 6mm - 10mm (coming soon 3 mm). 1/4 in. - 3/8 in. (coming soon 0 1/8 in.)
Electrode stick selection	Main version: base, rutile. Optional: celulosic, etc.
Electrode stick diameter selection	Standard version: 2.50, 3.25 y 4.00 mm. Optional: other diameters at the customer's request.
Wire diameter selection: - Solid wire: - Tubular wire:	Standard version: 0.8, 1.0 and 1.2 mm. Standard version: 1.2 and 1.6 mm. Optional: any other diameter at the customer's request.

Filler rod selection	Standard version: 2.00 and 2.40 mm. Optional: any other diameter at the customer's request.
Diagnostic and evaluation mode	Standard version: Basic diagnostic module. Optional: Advanced Pro diagnostic module.
Help mode for students	On-screen help icons
Vision technology	Augmented Reality
Power supply	115-230 V 5A-11A 50-60 Hz Overcurrent protection point Over power protection at 110%-130% full load
Dimensions (without accesories)	400 x 230 x 440 mm
Weight	15 kgs. aprox. without accesories. 30 kgs. aprox with accesories.
Accesories included	Standard version: Welding torches (SMAW, GMAW (FCAW) and GTAW), Welding Mask with Augmented Reality, 5 Workpieces, GTAW Filler Rod, All Necessary Cables. Optional: Work Stand, Flight-Case for secure transportation (which can be checked in for domestic or international flights).
Dimensions and weight for transportation	600 x 800 x 600mm Export Box (H x B x T). Europalet. Total Height: 700mm. Total Weight (aprox): 45 kgs. Security packaging, ANTI SHOCK SYSTEM.
Processor	Intel® Core i7 3770 4 Cores 3.60 GHZ Speed Cache 8MB Intel® Turbo Boost Intel® Hyper Threading
Chipset	Intel® H61(B3) Express Chipset

RAM	4GB (2x2048Mb) DIMM DDR3
Graphic Board	1024 MB GDDR5
Hard Disc	Solid State 64GB SSDNow SATA2 2.5"
Audio	Realtek® ALC887 8-Channel High Definition Audio
Operating System	SbyOS.Seabery Operating system optimized for SOLDAMATIC.
Built-in screen size	9,7"
Built-in screen resolution	HD LCD 1024x768 XGA
Port for external display/projector	VGA
Augmented Reality Vision Module (Video & Audio)	TFT LCD : 5,6 Inches High Resolution WXGA (1280 x 800) 262.144 Colours Similar to viewing a 80-inch screen from a distance of 10 feet (3 meters) 60° Diagonal field of view Compatible with the use of glasses Audio speaker piezoelectric optimized for welding sound
Cameras resolution (x2)	752 x 480 / 60 fps
Operating temperature	5° - 45° / 37.4F - 113F
Humidity	10 - 80%
Remote Maintenance and Upgrades	In real time connecting to Internet.
Master Software: minimum hardware requirements	Windows Vista, 7 Processor 32 bits (x86) 2.2GHz 3MB RAM 2GB Graphic 512MB DirectX 9.0c compatible. NVidia GeForce GT440 or higher ATI Radeon HD5000 or higher HDD 250MB

Server Hardware	SbyOS Operating System Processor Intel i3 Core 2.4GHz 3MB RAM 2GB 2 Ethernet ports HDD 500GB
Specific customer adaptations on demand	Software upgrades in remote.
Regulations	CE and FCC
Company Certifications	ISO 9001 Quality Management System ISO 14001 Environmental Management System
Guarantee	1 Year

**Note:** the information contained here is for commercial purposes and does not mean any legal contract or obligation for the company.