AMADA WELD TECH



MG-300A Digital Weld Monitor for Resistance Spot Welding (formerly known as MG3)

The MG-300A Digital Weld Monitor for Resistance Spot Weldingis available in three versions: Digital Basic, Digital-W1 and Digital-W2. MG3 Digital Basic monitors weld current and voltage and calculates its derived parameters w/dual channel capabilities. While the Digital-W1 version can be equipped with one the Digital-W2 version can be equipped with two displacement measuring sensors. Both Digital-W versions control parts, speed, force and displacement if applicable. The MG-300A Digital Weld Monitor for Resistance Spot Welding is a proven and state of the art solution which meets the needs of many industry markets.

Key features MG-300A Digital Weld Monitor for Resistance Spot Welding

- Premium Digital Weld Monitor designed to control welding processes reliably, efficiently and conveniently
- Dual channel capability offers simultaneous monitoring of two welds
- Configurable graphic user interface with 4 display quadrants, graphic and numeric indicators as well as intuitive online help gives maximum transparency for all relevant parameters
- Full on-screen SPC capability generates real time monitoring
- Up to 99 available schedules provides maximum control and can be password protected if needed • Modern interface infrastructure w/RS232 or Ethernet IP
- Weld interrupt functions enable the operator to steer the welding process
- Convenient and safe data storage and data transfer with USB port
- MG-300A Digital W versions offer displacement and force measuring with optional sensor(s

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Specifications MG-300A Digital Weld Monitor for Resistance Spot Welding (formerly known as MG3)

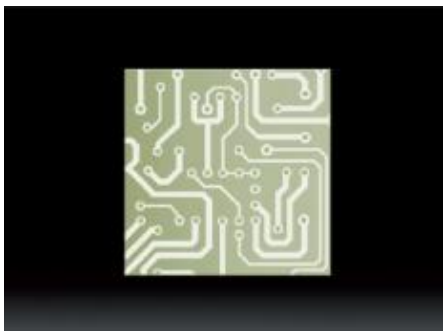
.	Digital Basic	Digital-W1	Digital-W2
Weld current types	Direct current, alternating current and capacitor discharging	Direct current, alternating current and capacitor discharging	Direct current, alternating current and capacitor discharging
Configuartion basic	1 closed toroidal coil d-70 mm and voltage measuring cables; 2-channel current and voltage measuring parallel with external BCD program selection, turn pressure knob for menu selection and parameter input	See Digital Basic version and analog inputs for force or pressure plus the option to connect 1 displacement sensor	See basic version and analog inputs for force or pressure plus the option to connect 2 displacement sensors
Measuring functions	Current, voltage, charging, time, power, energy, resistance, pre-warning and limit values, envelope waveform function, counter, statistic process control (calculated values can be stored as limit values)	See Digital Basic version plus displacement part detection, speed, pressure	See Digital Basic version plus displacement part detection, speed, pressure
Options	WinWeld software; toroidal coils	Adapter box and displacement sensors w/varying resolution from 0.1 or 1.0 µm and varying strokes	Adapter box and displacement sensors w/varying resolution from 0.1 or 1.0 µm and varying strokes
Supply voltage	110 - 240 VAC	110 - 240 VAC	110 - 240 VAC
Main frequency	50-60 Hz	50-60 Hz	50-60 Hz
Connected rating	60 W	60 W	60 W
Fusing	Internal 2 A delayed	Internal 2 A delayed	Internal 2 A delayed
Connecting cable	3 x 0,75 mm2, 2 m long	3 x 0,75 mm2, 2 m long	3 x 0,75 mm2, 2 m long
Protection class	IP30	IP30	IP30
Graphic display	120 x 90 mm	120 x 90 mm	120 x 90 mm
Graphic scan	With measuring time =50 ms:5 dots/ms	With measuring time =50 ms:5 dots/ms	With measuring time =50 ms:5 dots/ms
Storage device	USB stick via built-in USB port	USB stick via built-in USB port	USB stick via built-in USB port
Current measuring range / accuracy	2-500 kA resp 0.2 - 50 kA (with coil x 10)/ +/- 1.5% of measurement range limit value (w/o coil)	2-500 kA resp 0.2 - 50 kA (with coil x 10)/ +/- 1.5% of measurement range limit value (w/o coil)	2-500 kA resp 0.2 - 50 kA (with coil x 10)/ +/- 1.5% of measurement range limit value (w/o coil)
Voltage measuring range / accuracy	0.5 - 50 V / +/- 1.5% of measurement range limit value	0.5 - 50 V / +/- 1.5% of measurement range limit value	0.5 - 50 V / +/- 1.5% of measurement range limit value
Monitor schedules	99	99	99
Measuring times	DC: 1 - 2000 ms; AC: 1 - 5000 ms	DC: 1 - 2000 ms; AC: 1 - 5000 ms	DC: 1 - 2000 ms; AC: 1 - 5000 ms
Scanning rate	12.5 µs per channel	12.5 µs per channel	12.5 µs per channel
Analog input	I – channel 1 and 2; U–channel 1 and 2	I – channel 1 and 2; U–channel 1 and 2	I – channel 1 and 2; U–channel 1 and 2

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Product applications MG-300A Digital Weld Monitor for Resistance Spot Welding (formerly known as MG3)



Automotive



Electronics



Medical



IT & Multimedia



Aerospace



Defence

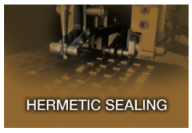
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OUR TECHNOLOGIES









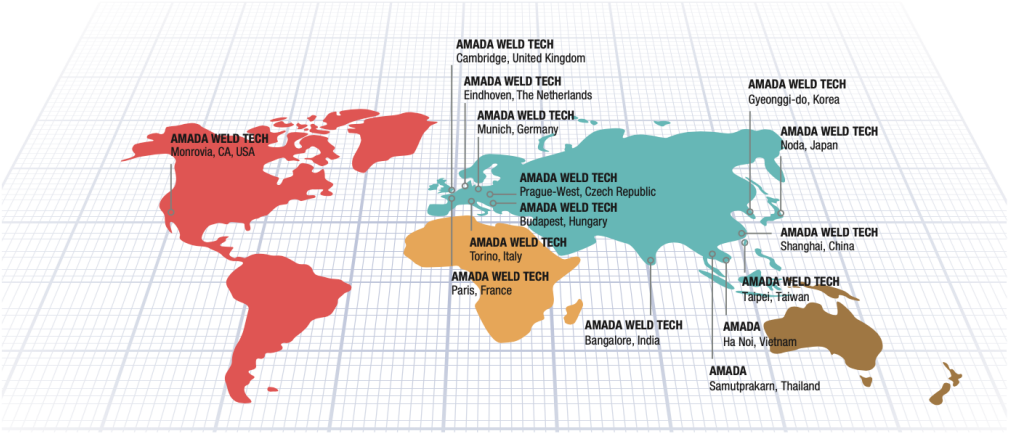








OUR SALES OFFICES



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