



TC-W100A Soudeur à thermocouple (anciennement connu sous le nom de TCW)

Les soudeurs à thermocouple TC-W100A de MIYACHI permettent de souder les fils de thermocouple pour former une jonction de cordon de soudure, de dimension et de qualité constantes, sans couches d'oxydes néfastes. Le modèle TC-W100A permet de fabriquer des thermocouples à partir de tous les alliages de thermocouple disponibles dans le commerce.

Caractéristiques TC-W100A Soudeur à thermocouple

- > Chambre de soudure au gaz d'argon
- > Facile à utiliser
- > Conçu pour les environnements de production comme les laboratoires
- > Verrouillage de la mise à feu de soudage
- > Régulateur de tension de ligne
- > Sélection de calibre de fil de 38 AWG à 20 AWG

Specifications TC-W100A Soudeur à thermocouple (anciennement connu sous le nom de TCW)

Quality control features	
Chambre de soudage	Argon gas flowing through the weld chamber ensures a reliable, oxide-free weld.
Circuit d'allumage	Prestripped wire must be properly loaded into the handpiece and the handpiece correctly inserted into the weld chamber to initiate firing. This loading sequence ensures that the handpiece is double earth grounded for maximum operator safety. Internal filt
Verrouillage de la mise à feu de soudage	Prevents poor welds caused by attempting a weld before the capacitors recharge. This condition exists immediately after a weld has been made or the control has been reset.
Régulateur de tension de ligne	Maintains the capacitor bank voltage within $\pm 0.25\%$ of setting for a $\pm 13\%$ change in line voltage. This feature ensures consistent thermocouple weld quality.
Circuit d'arrêt en cas de panne de ligne	Welder automatically activates the turndown circuit, discharging the capacitor bank when the line voltage is interrupted. This circuit ensures consistent welds and protects the operator from inadvertent discharge
Contrôles	
Interrupteur d'alimentation	Disconnects both sides of the input power line when switched to the "OFF" position.
Prêt à souder	Indicates that the capacitor bank has fully recharged and is ready to make a weld.
Sélection de calibre de fil	Controls the level of stored energy necessary to make a thermocouple weld. Energy levels are indicated for each American Wire Gauge (AWG) from 38 AWG to 20 AWG. Because of variations in he melting characteristics of thermocouple alloys, it may be necessar
Caractéristiques	
Circuits à semi-conducteurs	Components conservatively rated when used within the maximum specified repetition rates. The charging circuit uses thyristors in a unique manner to provide high reliability and precise charging intervals.
Tensions et courants de fonctionnement	115 V/0.5 A, 230 V/0.3 A, or 100 V/0.5 A at 50/60 Hz
Alimentation de secours	Approximately 15 watts
Évaluation de l'énergie stockée	Range 3 to 190 watt-seconds (joules)
Banque de condensateurs	18,300 MFD $\pm 10\%$ at 20° C. Three capacitors are grouped in a single bank. At full rating, the capacitor bank is operated at 144 volts.
Vitesse de soudage	As a manual feed thermocouple welder, the maximum number of welds per minute is determined by how fast the handpiece can be loaded and inserted into the weld chamber. The actual weld time is less than .1 seconds, and the time for the circuitry to recharge
Flux de gaz argon	Recommended flow rate is 3 cubic feet per hour.
Coupure du gaz argon	Blocks the flow of argon gas to the weld chamber when line voltage is turned off.
Pinces (vendues séparément)	TCWCS38 clamp for 32 to 38 gauge wire TCWCS31 clamp for 27 to 31 gauge wire TCWCS26 clamp for 23 to 26 gauge wire TCWCS22 clamp for 20 to 22 gauge wire
POIDS ET DIMENSIONS	
Powersupply Dimensions (LxWxH)	25.4 cm x 26.0 cm x 17.5 cm (10 in x 10.25 in x 6.875 in)
Powersupply Weight	7.3 kg (16.2 lb) (includes handpiece)
Handpiece Dimensions (LxWxH)	Body Length: 10.16 cm (4 in) Body Diameter: 1.91 cm (0.75 in)
Handpiece Weight	7.3 kg (16.2 lb) (includes handpiece)
Wire clamp Dimensions (LxWxH)	Length: 1.91 cm (0.75 in) Diameter: 0.64 cm (0.25 in)
Wire clamp Weight	91 gm (0.2 lb)

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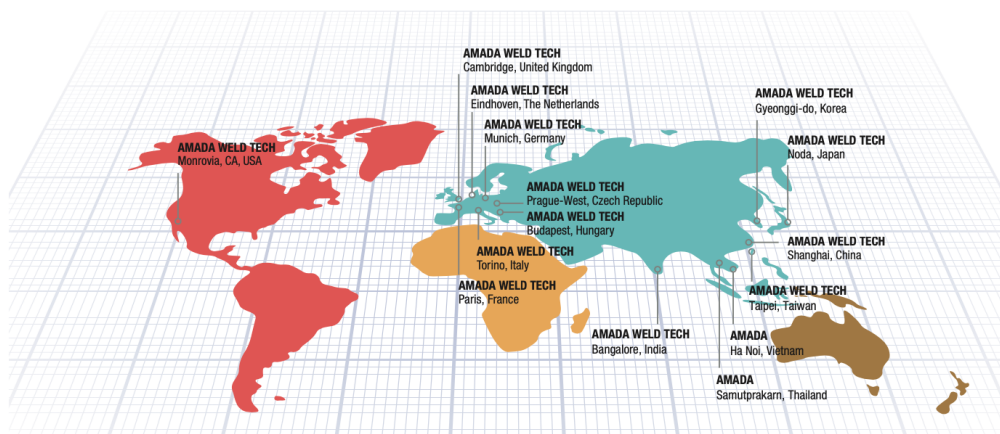


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