

## SPW-01 Spot-Welding Equipment (TS900)

### Basic characteristic

- ▲ **SPW-01** is a high performance, easy to use and universal Spot-Welding and Pin-Welding Equipment for a wide range of applications, including Fiber Optic Sensing.
- ▲ Hand gun with 1,5mtr long cable for simple use.
- ▲ Fire button and LED indication directly on the hand gun.



*Product Developed, Assembled and Sold in Cooperation with Technica under the TS900 product name.*

### Features

- ▲ Easy-to-replace spot welding tips
- ▲ Pressure adjustment on the hand gun
- ▲ Guidance spikes for vertical positioning against the surface (for pin-welding)
- ▲ Possible to pin weld pins in a range from M3 and M4 with max. length of 40mm
- ▲ Detachable cables



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### Performance properties

Voltage Rating	220V 50Hz, 3 Amp breaker protection
Weld Energy <sup>1)</sup>	5 to 300 Joules
Charging Time <sup>2)</sup>	@ Maximum Energy Setting < 10 seconds
Indication / Displays <sup>3)</sup>	LED for Charging / Energy Storage Status
Controls <sup>4)</sup>	Output energy adjustment, Two-position switch
Storage Temperature range	-10°C to +50°C
Operating Temperature range	-5°C to +40°C

1) For the actual weld energy at the welding gun tip see the cross table with nominal/actual values

2) With weld energy set to @250 Joules

3) Status indication is displayed by a LED located on the welding gun and LED located on front panel chassis as well

4) Maximum achievable weld energy with turbo off: 50J, maximum achievable weld energy with turbo on: 300J.

### Physical properties

Dimensions (without cables) <sup>1)</sup>	285x215x95mm
Power cord length	1,5mtr
Weight (without cables)	5000g
Gun cables weight <sup>2)</sup>	2000g
Gun cables length <sup>3)</sup>	1,5mtr
Material of spot welding tip	CW103C

1) For further dimensions details see the product drawing.

2) Gun cable weight includes the spot-welding gun, electrode cable and ground cable.

3) Gun cable length is extendable on request.

### Packaging

Standard - Cardboard box (460x460x310mm), Backpack included  
Optional - Ruggedized transportation case

### Quality statement

100% tested at SYLEX

Manufactured according to ISO 9001:2015 and ISO 14001:2015

### Spare parts (to be ordered additionally)

- ▲ **Spot-welding tip adaptor** – allows the usage of Spot-Welding Tips with 2 different thread dimensions: 1/4-20 UNC and M6x0.5-6H.
- ▲ **Spot-welding tip** – used for spot-welding, equipped with a standard metric thread M6x0.5-6H.

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### Accessories included

Item	QTY [pcs]	Details
Spot-welding tip adaptor	1	Accommodates Spot-welding Tips with 2 different thread dimensions: 1/4-20 UNC and M6x0.5-6H
Spot-welding tip	2	M6x0.5-6H threaded Tips for spot-welding.
Pin-welding adaptors	1	Set contains 2 adaptors for pins M3 and M4 size with max. length of 40mm
Set of Pin-welding guiding spikes	2	For vertical positioning against the surface. 2 different lengths, each set contains 3 spikes
Grounding Clamp and Carbon block	1+1	For simple attaching the ground cable to non-magnetic surfaces
Grounding Magnet	1	For simple attaching the ground cable to magnetic surfaces
Set of tools	1	Allen key, pin adaptors fork wrench, 17mm socket (wrench)
Power cord	1	220V, EU socket
Eye Protection Goggles	1	Welding eye shielding (plastic, rimless)
Back pack	1	
Instructions Booklet	1	



For more information contact our sales team at [sales@sylex.sk](mailto:sales@sylex.sk)

\* Specifications are subject to change without notice