TS900 / Spot Welder for Optical Sensors

Description

The TS900 is a high-performance, easy to use and universal Spot Welder and Pin Welder for Optical Sensing Applications.

The TS900 is easy to use and features a 1.5 meter long cable to the welding gun. The welding gun includes a fire button and LED indicator. All cables have quick disconnects for easy transport.

The TS900 is the new and improved version of Technica's well established T900 Spot Welder which has been used in factories and in the field for optical sensing installations worldwide in civil engineering, energy, marine, railways, aerospace and other applications since 2007.

Product Developed, Manufactured, and Sold in Cooperation with Sylex Corporation.

Key Features

Custom welding gun. Easy to replace welding tips. Pressure adjustment on the gun. Guidance spikes for vertical positioning against the surface (for pin-welding from M3 to M10 with maximum length of 40mm). Detachable gun cable.

Rugged housing for harsh environments. The TS900 Spot Welder can be used both in the lab and in indoor and outdoor industrial settings. The TS900 design balances cost, performance, and reliability, offering an attractive and proven plug-and-play commercial solution for the optical sensing industry.

Key accessories included. Each spot welding system is shipped with spare welding tips, tip adaptor, pin-welding adaptor, pin-welding guiding spikes, and magnetic attachable ground cord to support field installers and to minimize any chance of down-time for shortage of accessories.

Parameter	Specifications
Voltage Rating	220V 50Hz circuit, protected by 3 Amp breaker, 110V option
Weld Energy (adjustable)	5 Joules to 300 Joules
Charging Time	<10 sec at Maximum Energy Setting
Indication / Displays	LED for Charging / Energy Storage Status
Turbo Switch (Off, On)	50J, 300J
Operating Temperature	-5°C to +40°C
Storage Temperature	-10°C to +50°C
Dimensions (without cable)	285x215x95mm
Power Cord Length	1.5m
Weight (without cable)	5kg
Material of welding tip	CW103C
Spot-welding tips and tip adaptor	Included to allow using spot-welding tips of 2 thread types: 1/4-20 UNC and M6x0.5-6H
Pin-Welding adaptor and guiding spikes	Included for M3 to M10 pins with max length of 40mm
Magnetic attachable ground cord	Included for simple attachment of the ground wire

Applications include Civil Engineering, Energy, Industrial, Transportation, and R&D

Technica undertakes a rigorous development process before products release. The company is also firmly committed to continuous improvements after release to insure performance to the highest standards, hence, specifications are subject to update without notice.

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