

# Weller®

## SPI



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## Always place the soldering tool in the safety rest while not in use.

Thank you for placing your trust in our company by purchasing the Weller SPI soldering iron series. Production was based on stringent quality requirements which guarantee the perfect operation of the device.



### 1. Caution!

Please read these Operating Instructions and the attached safety information carefully prior to initial operation. Failure to observe the safety regulations results in a risk to life and limb.

The manufacturer shall not be liable for damage resulting from misuse of the machine or unauthorised alterations.

The Weller SPI soldering iron series corresponds to the EC Declaration of Conformity in accordance with the basic safety requirements of Directives 2004/108/EC, 2006/95/EC and 2011/65/EU.

## 2. Description

### SPI 15 / 12V; SPI 15 / 24V; SPI 16; SPI-27; SPI-81

Weller SPI soldering iron series is produced for the discerning leisure-time electronics expert and the electrical engineering industry - exactly the right soldering equipment for professional soldering work. Robust, economical, and to be used for versatile soldering work, these soldering irons are ideal for manufacture and service of electronic equipment.

The industrial soldering irons of the SPI series stand out for their strong heating elements and the wide range of soldering bits available of the long-life programme class. They are connected to supply voltage. The various output groups of 15, 25, 40, and 75 Watt can be used to perform a large range of soldering tasks. The long-life soldering bits have been provided with a galvanically applied protective layer. This protective layer extends the service life of the soldering bits considerably, and must not be destroyed by any mechanical actions (filling, scratching, etcetera). The latest galvanising processes assure the best possible thermal conduction of the soldering bits. In addition, they are absolutely scale and corrosion resistant.

## Technical Data

	Voltage	Power	Protection Heating		Temp.
			class	time	
SPI-16	230 V AC	15 W	I	180 s	360°C
SPI-27	230 V AC	25 W	I	180 s	410°C
SPI-41	230 V AC	40 W	I	180 s	450°C
SPI-81	230 V AC	75W	I	180 s	480°C

Soldering irons powered by mains voltage are also available for 120 V.

## 3. Initial operation

Fold the soldering iron tray according to the bending template enclosed. Place the soldering iron in the safety tray. make sure that no inflammable objects are in the vicinity of the soldering iron. Verify that the supply voltage is in compliance with the connected load of the soldering iron. Plug the mains plug of the soldering iron into the mains socket-outlet.

The mains cable must only be plugged into the mains socket or adapter approved for this purpose. After the required heating-up time has run down, apply some solder to the soldering tip. Subsequently, soldering work can be performed.

## 4. Operating instructions

Change soldering tip (only when cold):

by releasing clamping screw (12) and withdrawing soldering pin to the front.

Avoid any seizure of the soldering tips. A thin graphite layer applied to the bit end of the soldering tip as well as frequent removal of the soldering tip prevents unpleasant seizure. The soldering tip can be cleaned by means of a cleaning sponge saturated with water. Always place soldering tip during breaks.

## 5. Extent of Delivery

Soldering iron

Tray

Operating instructions

**Subject to technical alterations and amendments!**

**See the updated operating instructions at [www.weller-tools.com](http://www.weller-tools.com).**