

Special Application Inert Gas Soldering



Ideal solution for soldering application under an atmosphere of inert gas

Advantages of inert gas soldering

- Oxygen will be blocked out from solder joint and soldering tip
 - less oxidation on solder joint and soldering tip
 - less surface tension of solder
 - better flow characteristics of solder
- Preheating of solder joints
- ESD safe
- Better and constant activation of flux



The inert gas soldering irons WP 80IG and WP 120IG achieve all ESD requirements and enables soldering jobs with inert gas in used way. Inert gas is fed through openings in the heating element to envelop the solder joint. Inert gas and temperature control via power unit WAD 101IG. The set is complete with the Stop & Go safety rest WDH 10P.



WAD 101IG

Technical Data

Dimension L x B x H:	166 x 115 x 101
Weight	3,335 kg
Channels	1
Power supply	230 V / 120 V (50/60 Hz)
Power consumption	150 W
Protection class	1 Power unit, 3 Soldering irons,
Temperature range	Soldering and desoldering irons adjustable 50°C – 550°C (150°F – 999°F)
Adjustable Temperature range	depends on tool
Temperature accuracy	± 2°C
Temperature stability	± 5°C
Potential free contact	Optocoupler (transistor output) max. 24 V / 20mA; Pin 1 (+), Pin 2 (-)
Display	
Temperature control	Via buttons
ESD safe	yes
Equipotential bonding	Via 3.5 mm pawl socket on back of device
USB interface	no
Order-no.	T005 32 666 71



WAD 101IG

Order-no.	Model	Description
T005 32 666 71	WAD 101IG	Power unit, 1 channel 150 W for soldering with inert gas

Perfect solution for lead free soldering applications under an atmosphere of inert gas

With the WSP 80 inert gas safety rest set the WSP 80 soldering iron can be switched to an inert gas soldering iron. The safety rest WDH 10P can be used with the WSP 80IG and WP 120IG. Inert gas is fed through openings in the heating element to envelop the solder joint.

Accessory



Order-no.	Model	Description
T005 29 197 99	WP 80IG	Soldering iron 80 W for soldering with inert gas 50 °C - 450 °C



Order-no.	Model	Description
T005 29 198 99	WP 120IG	Soldering iron 80 W for soldering with inert gas 50 °C - 450 °C



Order-no.	Model	Description
T005 15 161 99	WDH 10T	Safety rest with Stop & Go function with dry cleaner

Order-no.	Model	Description
T005 87 637 32		Barrel WP120IG

WDH 10P Set

- Safety rest WDH 10P with inert gas barrel set for soldering iron WSP 80
- 80 W, 24 V
- Lead free soldering



LT Soldering tip series
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Order-no.	Model	Description
T005 15 147 99	WDH 10P Set	Inert gas safety rest set 80 W, 24 V

Scope of supply:

WDH 10P	Safety rest for use with inert gas, ball valve, compressed air hose, 4 mm Inert gas barrel for WSP 80
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