

# TECNA®

## Hand Spot Welders

7900 • 7900/110 • 7902/P • 7913

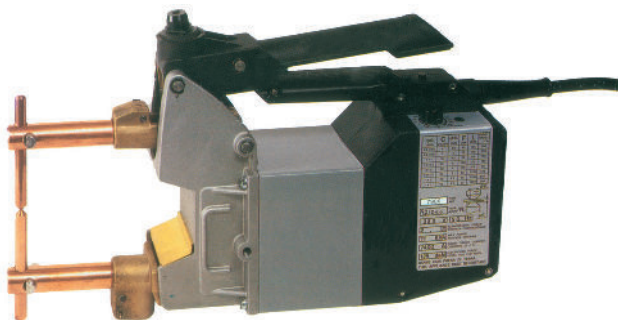
### Hand Operated Spot Gun - 2 kVA

#### Key Features

- Lightweight professional spot gun for car body repair
- Synchronous built-in electronic timer with SCR from 2 to 65 cycles
- Compensation circuit starts the timer only when there is a proper passage of current which enables to perform on oxidised sheets, on surfaces with paint residues or on black sheets
- All transformer are coated with F class insulation material that does not dry out and become brittle
- Tests are made using 4000V
- Force adjustment with scale in daN
- Additional arm couplings to provide larger opening between arms
- Supplied complete with 125mm arms
- Large choice of arms and electrodes

#### 7900/110 Version

\* 110V Version of the Hand Operated Spot Gun - 2 kVA

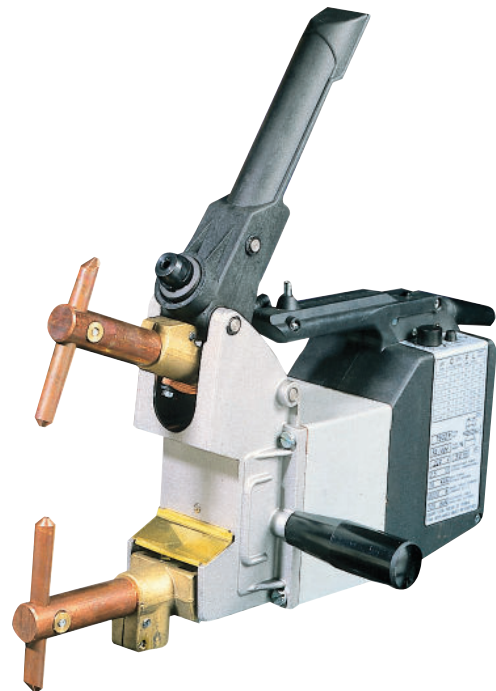


Order Code: 7900

### Hand Operated Spot Gun - 2.5 kVA

#### Key Features

- Versatile portable spot welder for auto body repair shops and maintenance shops
- Synchronous built-in electronic timer with SCR from 2 to 65 cycles
- Compensation circuit starts the timer only when there is a proper passage of current which enables to perform on oxidised sheets, on surfaces with paint residues or on black sheets
- Current control with phase shift adjustment to carry out difficult welds, on very thin thickness, on rods with reduced diameter, on stainless steel sheet and similar
- All transformers are coated with F class insulation material
- Test are made using 4000V
- Force adjustment with scale in daN
- Additional arm couplings to provide larger opening between arms
- Supplied complete with 125mm arms
- Large choice of arms and electrodes
- Pulsation weld time control
- Cos fi control

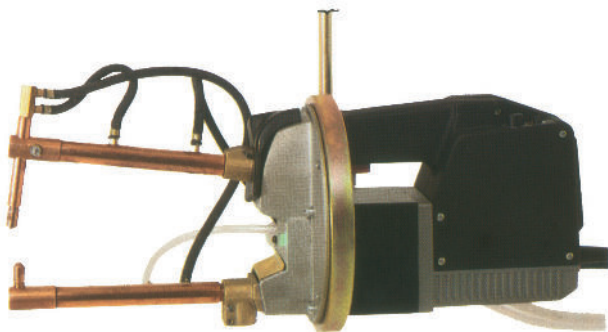


Order Code: 7902/P

## Pneumatic Gyroscopic Water Cooled Spot Gun - 6 kVA

### Key Features

- Fully water cooled portable spot gun
- For high operating rate works in car body repair and light production works in industry
- Synchronous built-in electronic timer with SCR from 2 to 65 cycles
- Compensation circuit starts the timer only when there is a proper passage of current which enables to perform on oxidised sheets, on surfaces with paint residues or on black sheets
- Current control with phase shift adjustment to carry out difficult welds, on very thin thickness, on rods with reduced diameter, on stainless steel sheet and similar
- Balanced construction for easy operation
- Thread base for fixing on a bench
- A built-in differential pressure switch operates the timer when the electrode force is correct
- Additional arm couplings to provide larger opening between arms
- All transformer are coated with F class insulation material. Insulation test performed at 4000V
- To be used with arms items:  
7512 - 7513 - 7514 - 7515 (on request)



Order Code: 7913

Order Code:		7900	7902	7913
Synchronous timer with SCR		•	•	•
Time adjustment	cycles	2-65	2-65	2-65
Current adjustment 40-100%		-	•	•
Cooling		Air	Air	Water
Supply voltage 50Hz *	V	230	230	400
Nominal power at 50%	kVA	2	2.5	6
Maximum welding power	kVA	13	16	18
Short circuit current	kA	7.2	8.2	8.2
No load secondary voltage	V	2.3	2.5	2.7
Insulation class		F	F	F
Cables section for L<15 m	mm <sup>2</sup>	2.5	2.5	2.5
Delayed fuses	A	16	16	16
Standard arms throat depth L	mm	125	125	-
Max. electrode force w/short arms	daN	120	120	120
Arms gap	mm	96	94	94
Max. electrodes stroke	mm	55	55	40
Water cooling	l/min	-	-	2.5
Water max. pressure	bar	-	-	2.5
Aerial noise produced	dB(A)	< 70	< 70	<70
Level of vibrations	m/s <sup>2</sup>	< 2.5	< 2.5	< 2.5
<b>Measure conditions</b>				
Welding time	cycles	14	14	6
Welding current	kA	5	5	6.1
Working rating in welds/min		2	2	15
Mains cable length	m	3.8	3.8	3.8
Net weight with arms 125mm	Kg	10.5	11	-
Net weight with arms 150mm	Kg	-	-	16
Net weight with arms 500mm	Kg	13	13.5	19
Max. thickness on mild steel				
with arms 125mm	mm	2+2	2.5+2.5	2+2
with arms 250mm	mm	1.8+1.8	1.8+1.8	1.8+1.8
with arms 500mm	mm	1.2+1.2	1.2+1.2	1.2+1.2

\* Different voltages & frequencies on request