

# Dataliner®

Ref. 020764

## GYSPT INVERTER BP.LCX-S7

The Gyspot INVERTER BP.LCX-S7 is an Inverter water cooled spot welder delivered with C arm, X arm and a single sided gun. It's the ideal answer to the welding requirements of high strength steels (UHSS/boron steel), with 550 daN electrode arms force at 8 bars and 13 000 Amps welding current. Easy to use thanks to the AUTO mode which automatically adjust the welding parameters. This machine is fully compliant with the European Directive 2013/35/UE.

### DESCRIPTION

- Ideal X and C clamps for easy access to all areas
- **Lightweight and easy to handle X and C clamps: Weight 5 kg**
- Single-sided gun with 3 m cable: spot/side hammer welding, stud/rivet/ring welding, carbon shrinking
- Accessories box
- Support cable bracket with a telescopic arm
- Control display 6"
- Remote control on the clamp

13 000 A  
550 daN



MADE IN FRANCE

Approved by many car manufacturers

BP BODYPROTECT TECHNOLOGY  
UNIQUE ELECTRO-MAGNETIC FIELD PROTECTION by GYS

EDC ENERGY DYNAMIC CONTROL  
AUTOMATIC MODE



### PERFORMANCE

- Welding current:
  - **High welding current 13 000 A**
  - Digital display of the actual current value
  - Sound alert if the welding current is too low
  - Constant current control
- Electrode force:
  - Electrode force control
  - Digital display of the actual electrode arms force
  - **C clamp electrode force: 550 daN at 8 bar of air pressure**
  - **X clamp electrode force: 550 daN with 120 mm arms at 8 bars**
  - Liquid-cooled arms up to the tips
  - Sound alert if the actual clamp force is too low

### ELECTROMAGNETIC FIELDS

- The « BODYPROTECT » concept protects the user against electro-magnetic fields. The machine is compliant with the directive 2013/35/UE.

### MACHINE INTERFACE

- 7 modes available to answer the requirements of both end users and car manufacturers
- Easy to use: welding parameters automatically adjusted in AUTO mode
- User friendly: Large display (6"), with intuitive menus
- SD Card saving of welding parameters

Picture not contractual

- Ref. 020764  
Delivered with :
- X1 arm
  - C1 arm
  - single sided gun
  - earth cable

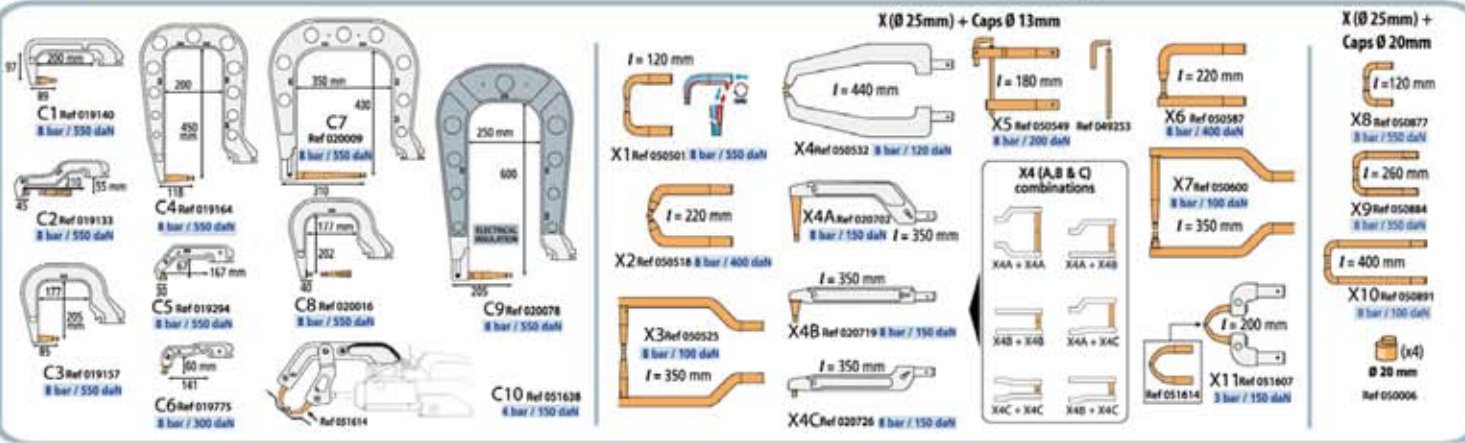
### TRACABILITY


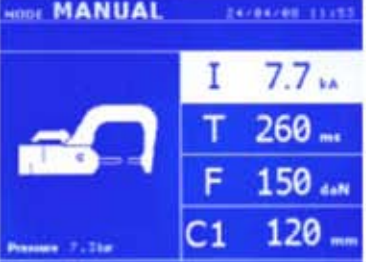



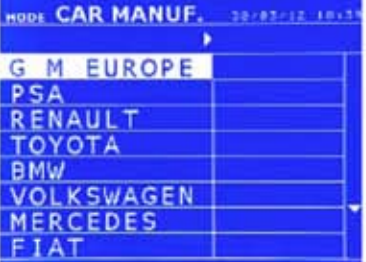

- Record on SD card of the characteristics of each welding spot performed.
- Restoration on any PC of the reports saved on the SD card.

50/60 Hz	A	I rms A	mm	U <sub>0</sub> V	Cables	100% Cu	cm	kg
3x400	32 (D)	13000	3+3+3 1,5+3	16	2,5 m Ø200 mm <sup>2</sup> LIQUID 2,5 m Ø150 mm <sup>2</sup> AIR 8m 4x6 HD790LF	•	65 x 80 x 205	180

### X AND C ARMS (OPTIONAL)

CE EN 50445 - 2004/40/CE



1	 <p>MODE STANDARD 29/04/09 17:58</p> <p>0.6 mm</p> <p>STEEL</p> <p>C1 97 mm</p> <p>Presses 7.23r</p>	<p><b>STANDARD MODE</b></p> <p>The machine determines the welding parameters according to the thickness of the metal to be welded and the type of steel.</p>
2	 <p>MODE MANUAL 24/04/09 11:53</p> <p>I 7.7 kA</p> <p>T 260 ms</p> <p>F 150 daN</p> <p>C1 120 mm</p> <p>Presses 7.23r</p>	<p><b>MANUAL MODE</b></p> <p>Direct programming of the welding parameters</p> <ul style="list-style-type: none"> <li>- welding current</li> <li>- welding time</li> <li>- electrode force</li> </ul>
3	 <p>MODE MULTI 29/04/09 15:58</p> <p>1 0.6 mm STEEL</p> <p>2 0.6 mm STEEL</p> <p>3 --- ---</p> <p>C1</p> <p>Presses 7.13r</p>	<p><b>MULTI MODE</b></p> <p>The thickness of the metal to be welded, as well as the type of steel, is specified for each sheet in the assembly. The machine determines the welding parameters.</p>
4	 <p>MODE GYSTEEL 24/04/12 10:40</p> <p>1.5 mm</p> <p>Re 35 UHLE</p> <p>C1 97 mm</p> <p>Presses 7.23r</p>	<p><b>GYSTEEL MODE</b></p> <p>The hardness measurement obtained with the GYSTEEL Vision device can be entered directly in this menu in order to specify the type of steel. The machine determines the welding parameters.</p>
5	 <p>MODE AUTO 12/10/05 08:59</p> <p>AUTO</p> <p>QC1 95 mm</p> <p>Presses 7.23r</p>	<p><b>AUTO MODE ** New **</b></p> <p>Automatic detection of:</p> <ul style="list-style-type: none"> <li>• The type of steel</li> <li>• The thickness of the sheets</li> <li>• The presence of glue</li> <li>• The presence of insulating material between metal sheets</li> </ul>
6	 <p>MODE CAR MANUF. 20/02/12 10:33</p> <p>G M EUROPE</p> <p>PSA</p> <p>RENAULT</p> <p>TOYOTA</p> <p>BMW</p> <p>VOLKSWAGEN</p> <p>MERCEDES</p> <p>FIAT</p>	<p><b>CAR MANUFACTURER MODE ** New **</b></p> <p>This mode allows recalling, pre-recorded welding spots from car manufacturer repair instructions. The welding parameters are automatically set.</p>
7	 <p>MODE ENERGY 24/04/12 10:43</p> <p>I 7.0 kA</p> <p>E 2.0 kW</p> <p>ΔZ 109 V</p> <p>C1 97 mm</p> <p>Presses 7.23r</p>	<p><b>ENERGY MODE ** New **</b></p> <p>This mode allows controlling the energy transferred during the welding spot. Only the welding current (A) and the energy (kWs) can be set in order to make the welding spot. This mode has been designed for test laboratories and car manufacturers, for approval purposes.</p>