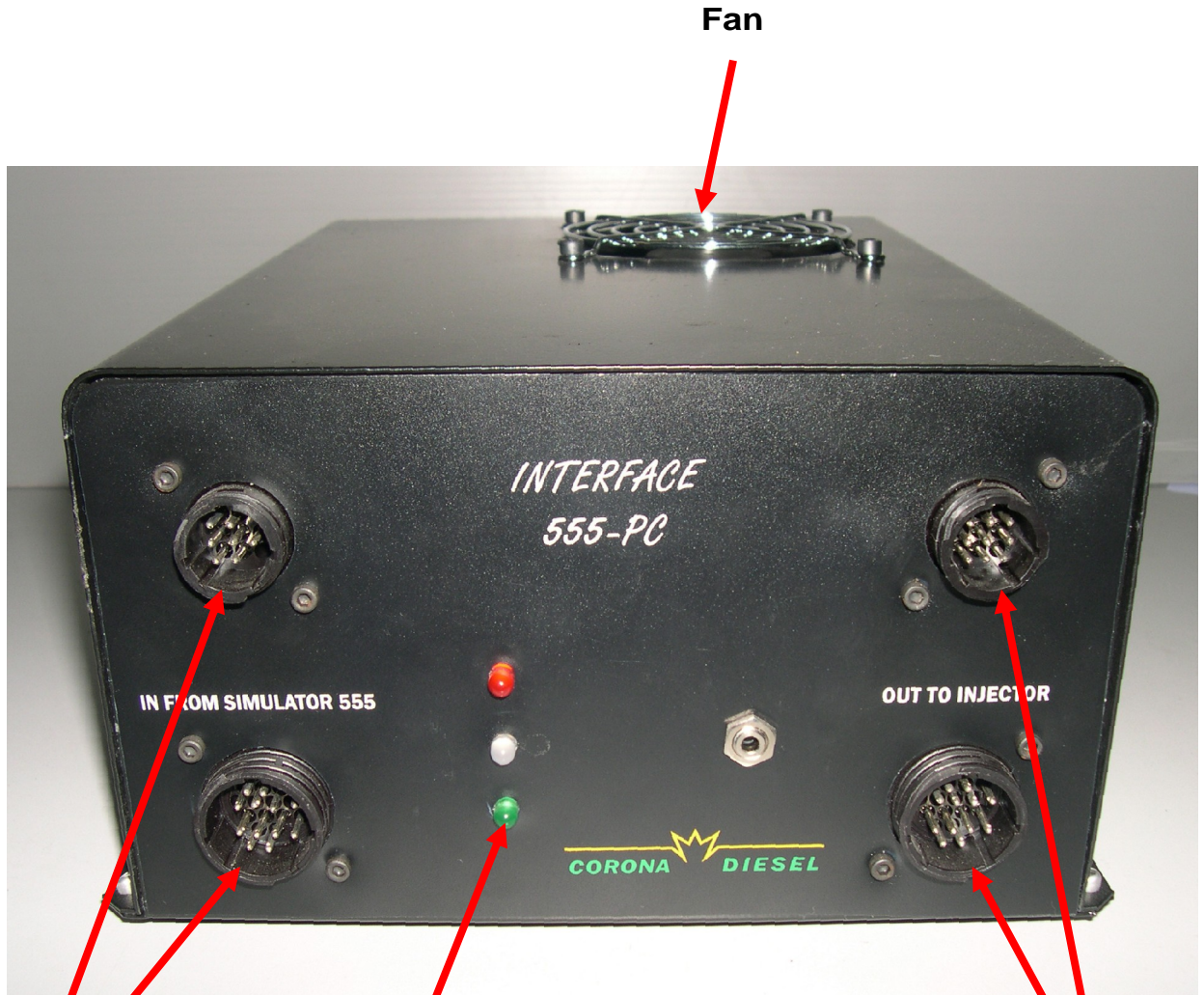# PC INTERFACE FOR CD555 SIMULATOR

P.N..**: 555-PC**

555-PC interface, connected to a PC, goes interposed between CD555 Simulator and Common-Rail system installed on a diesel test bench.
It for means of a PC allow the visualization of all test parameters in analogic, digital and graphical way.
All controls are brought back on video push-buttons, in particular pressure regulation is controlled by a feedback signal that maintains constant value after to have set up it.
It is possible to record the test and visualize it after; the appropriate software concurs to calculate automatically tolerance between injector deliveries manually included.
Moreover is showed the test fluid temperature in the high pressure point of the test.
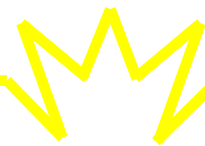
PC INTERFACE FOR CD555 SIMULATOR

Fan

**Pump and Injector cables
come from simulator**

**Pump and Injector cables
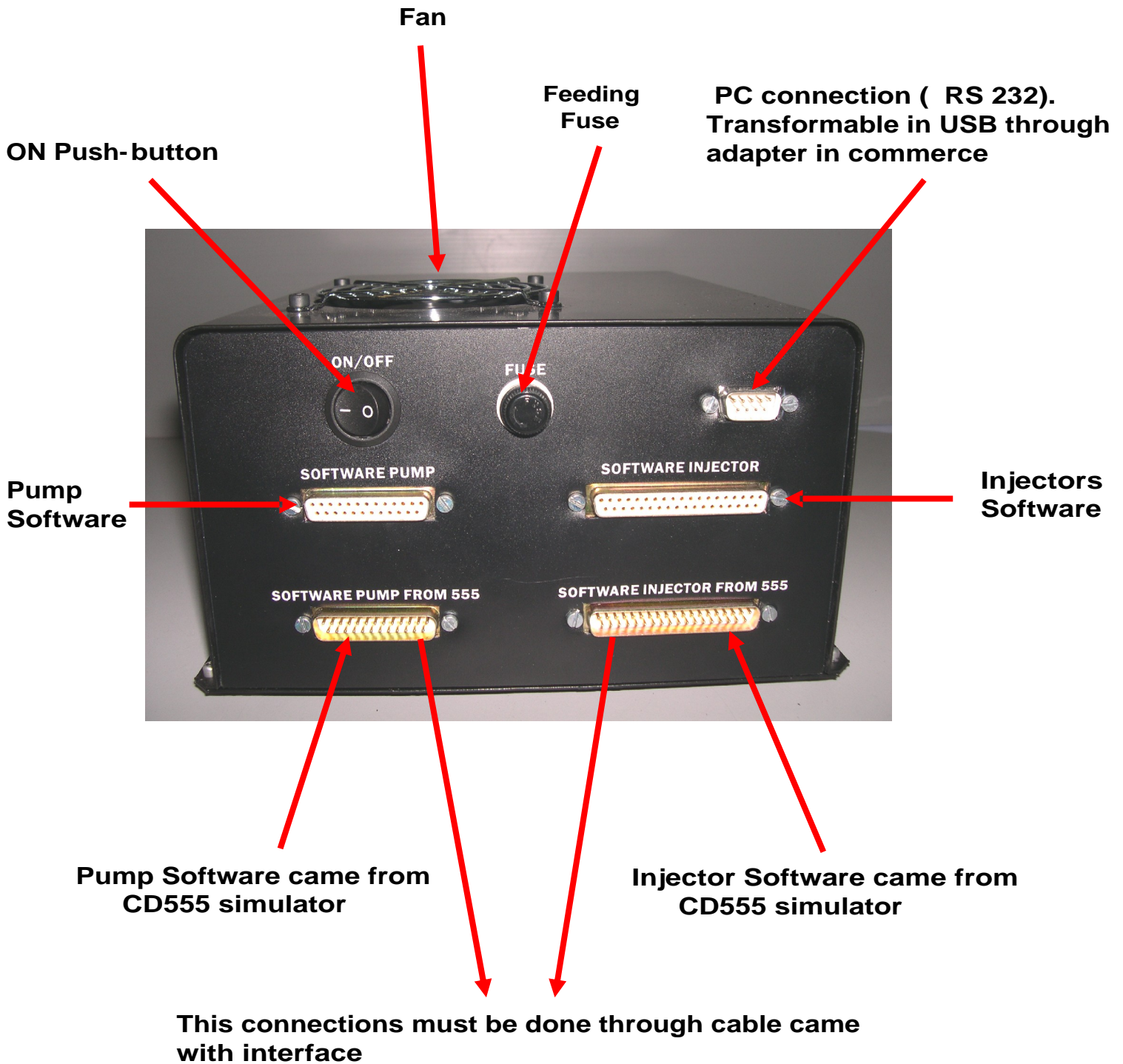To system on Test bench**

RED LED : Feeding;

WHITE LED : Potentiometer check (It blink till selftest do not finish—each time the equipment is lighted On);
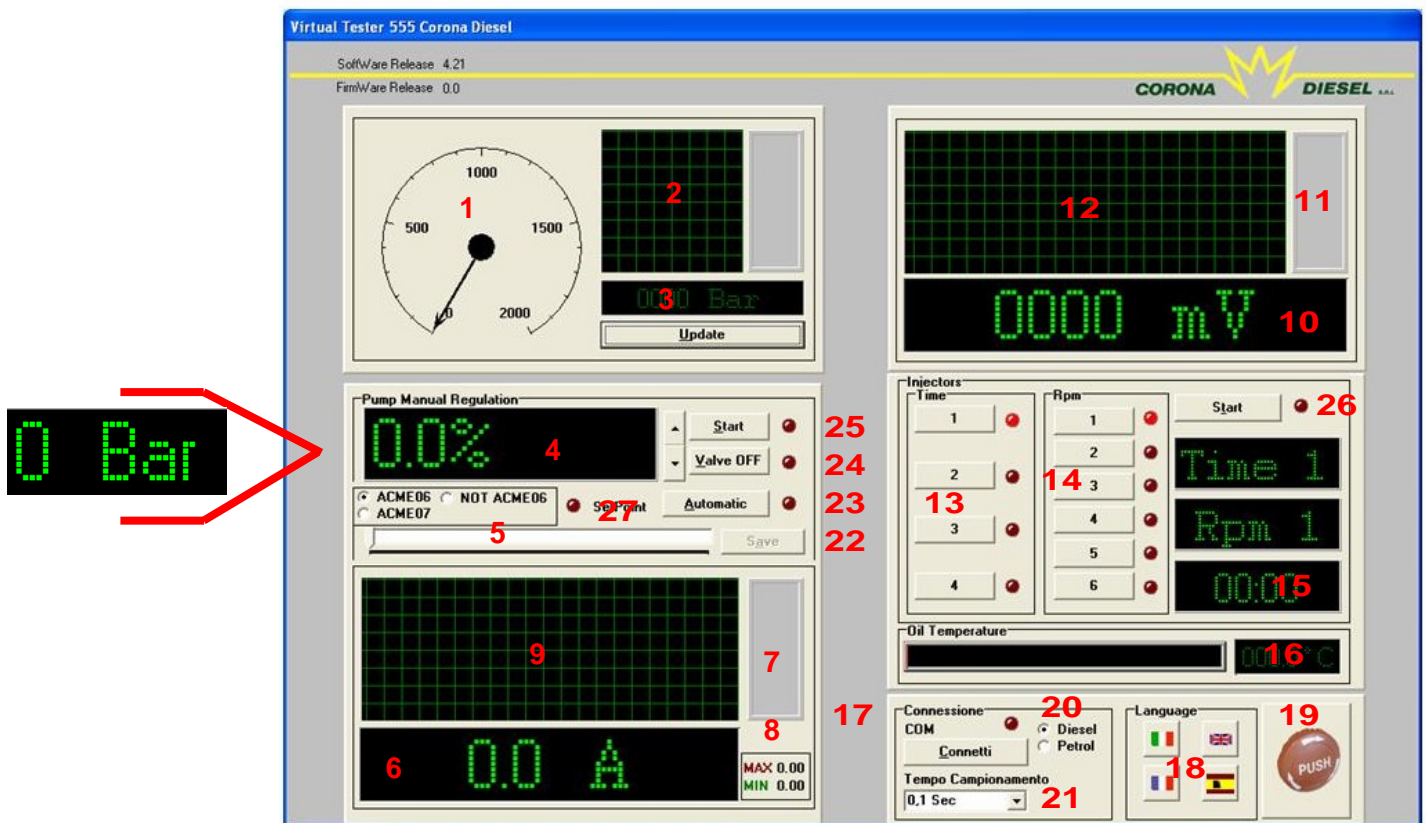**GREEN LED : Data Flow (It blink when connection is ok).**

PC INTERFACE FOR CD555 SIMULATOR

Fan

Feeding Fuse

PC connection (RS 232). Transformable in USB through adapter in commerce

ON Push-button

Pump Software

Injectors Software

Pump Software came from CD555 simulator

Injector Software came from CD555 simulator

This connections must be done through cable came with interface
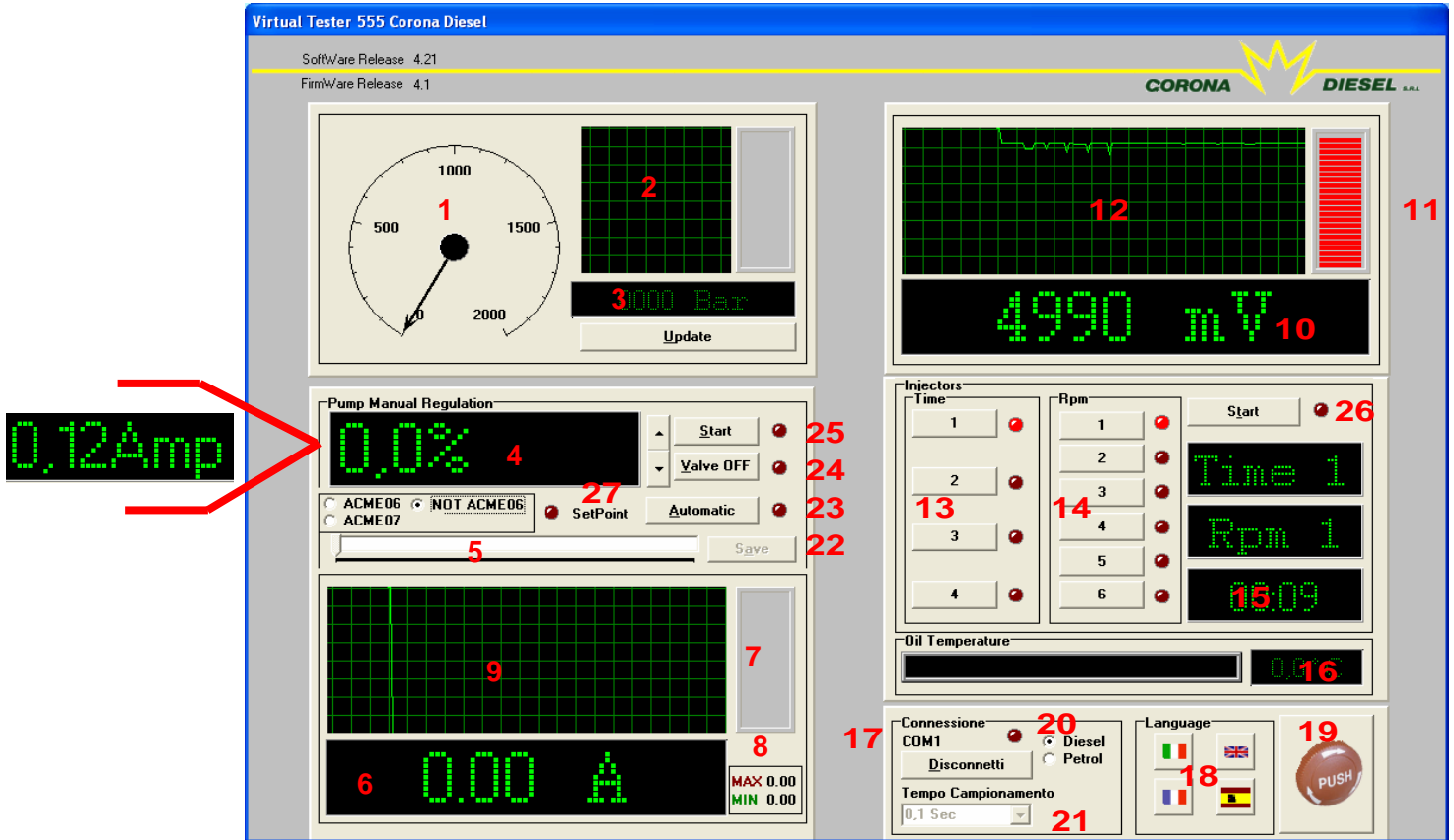
CORONA **DIESEL**

HMI-CORONA555 SOFTWARE FOR 555-PC INTERFACE

Interface Visual Descriptions :

1: Analogic Pressure ;
2: Graphic pressure;
3: Digital pressure (click on "Update" to see pressure in real time);
4: Regulator opening percentage ("ACME 06" selected — click on "Automatic" the expressed
   objective pressure in bar is read)
5: Regulator opening rod;
6: Digital high pressure regulator current absorption;
7: Analogic current absorption;
8: Max & Min current absorption;
9: Graphic current absorption;
10: Vehicle sensor pressure Mv Digital expression;
11: Vehicle sensor pressure Mv Analogic expression;
12: Vehicle sensor pressure Mv graphic expression;
13: Pulsation duration time;
14: Simulated revolutions number;
15: Test time;
16: Test fluid temperature;
17: Interface connection;
18: Language;
19: Stop key;
20: Diesel-Gasoline selector;
21: Update speed;
22: Push button to save data in real time on "visual" program;
23: Automatic pressure selection ""ACME 06" selected);
24: 3rd element valve;
25: Regulator ignition;
26: Injectors ignition;
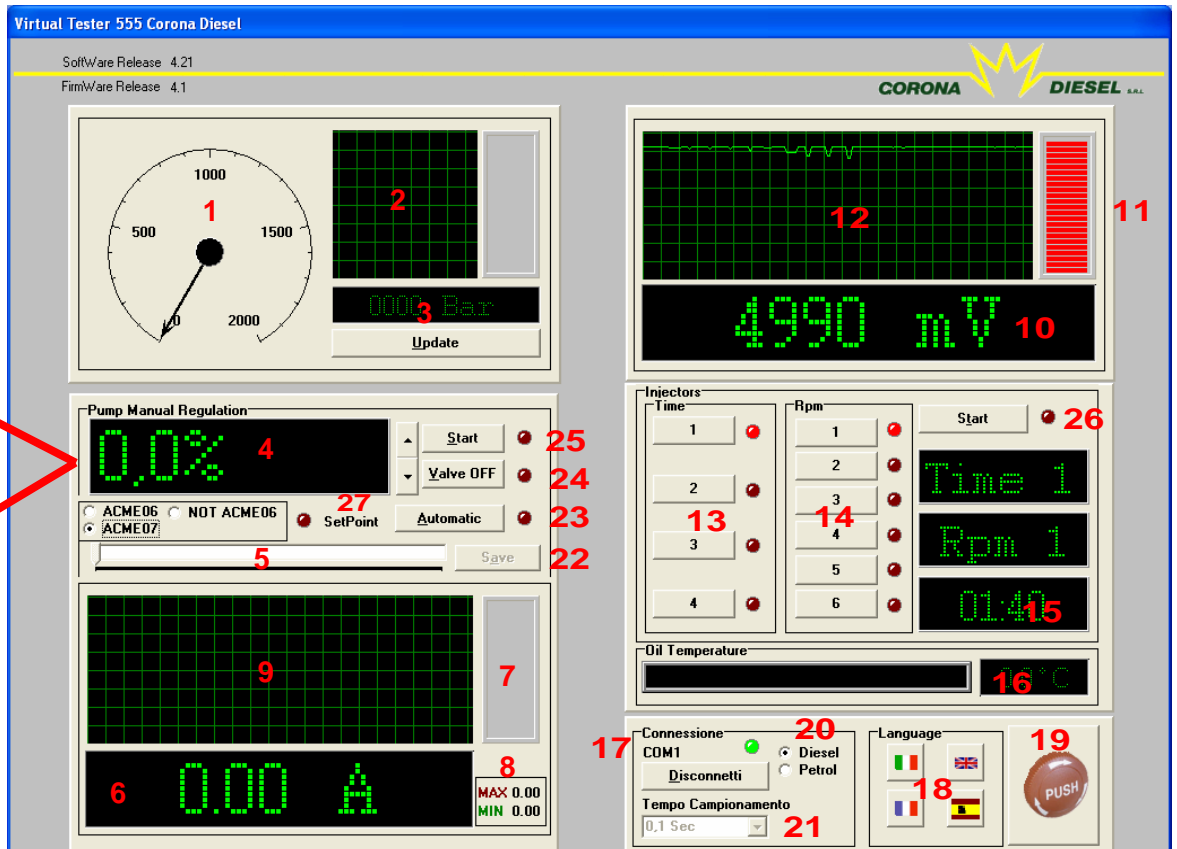27: Led blinking until it do not reach the objective pressure .

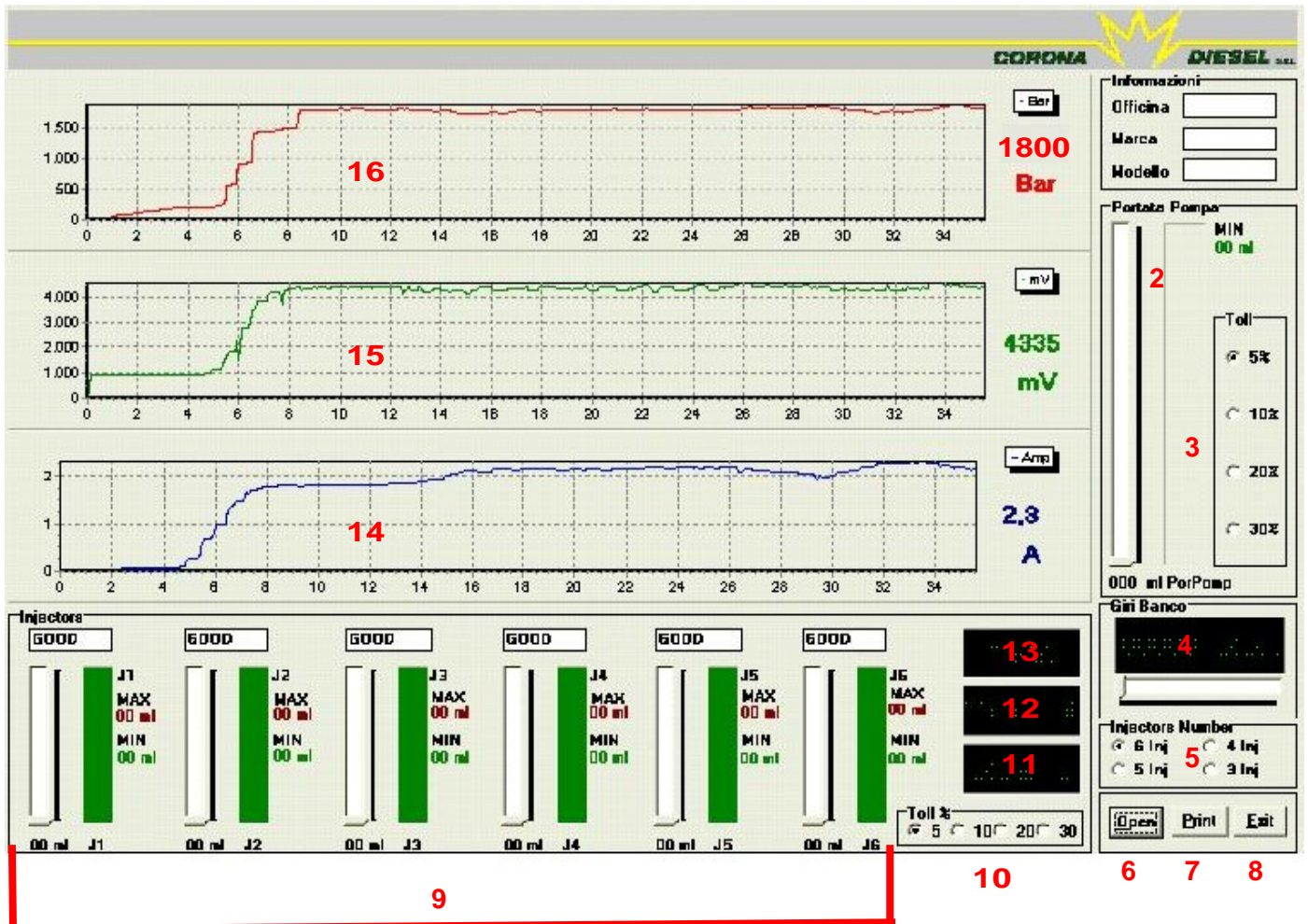# HMI-CORONA555 SOFTWARE FOR 555-PC INTERFACE

Interface Visual Descriptions :

1: **Analogic Pressure ;**
2: **Graphic pressure;**
3: **Digital pressure (click on "Update" to see pressure in real time);**
4: **Regulator opening percentage ("NOT ACME 06" selected — click on "Automatic" the expressed objective pressure in bar is read)**
5: **Regulator opening rod;**
6: **Digital high pressure regulator current absorption;**
7: **Analogic current absorption;**
8: **Max & Min current absorption;**
9: **Graphic current absorption;**
10: **Vehicle sensor pressure Mv Digital expression;**
11: **Vehicle sensor pressure Mv Analogic expression;**
12: **Vehicle sensor pressure Mv graphic expression;**
13: **Pulsation duration time;**
14: **Simulated revolutions number;**
15: **Test time;**
16: **Test fluid temperature;**
17: **Interface connection;**
18: **Language;**
19: **Stop key;**
20: **Diesel-Gasoline selector;**
21: **Update speed;**
22: **Push button to save data in real time on "visual" program;**
23: **Automatic pressure selection ""ACME 06" selected);**
24: **3rd element valve;**
25: **Regulator ignition;**
26: **Injectors ignition;**
27: **Led blinking until it do not reach the objective pressure .**

CORONA **DIESEL**

HMI-CORONA555 SOFTWARE FOR 555-PC INTERFACE

Interface Visual Descriptions :

 1: **Analogic Pressure;**
 2: **Graphic pressure;**
 3: **Digital pressure (click on "Update" to see pressure in real time);**
 4: **Regulator opening percentage ("ACME 07" selected — click on "Automatic" the expressed objective**
 pressure in bar is read)
 5: **Regulator opening rod;**
 6: **Digital high pressure regulator current absorption;**
 7: **Analogic current absorption;**
 8: **Max & Min current absorption;**
 9: **Graphic current absorption;**
10: **Vehicle sensor pressure Mv Digital expression;**
11: **Vehicle sensor pressure Mv Analogic expression;**
12: **Vehicle sensor pressure Mv graphic expression;**
13: **Pulsation duration time;**
14: **Simulated revolutions number;**
15: **Test time;**
16: **Test fluid temperature;**
17: **Interface connection;**
18: **Language;**
19: **Stop key;**
20: **Diesel-Gasoline selector;**
21: **Update speed;**
22: **Push button to save data in real time on "visual" program;**
23: **Automatic pressure selection ""ACME 06" selected);**
24: **3rd element valve;**
25: **Regulator ignition;**
26: **Injectors ignition;**
27: **Led blinking until it do not reach the objective pressure .**

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VISUAL-CORNA SOFTWARE FOR 555-PC INTERFACE

Interface Visual Descriptions :

1: **Workshop information on system model and type in test;**
2: **Pump delivery;**
3: **Pump delivery percentage tolerance;**
4: **Test bench revolution;**
5: **Selection number of injectors to test;**
6: **Test file opening;**
7: **Test file print;**
8: **Program exit;**
9: **Injector test;**
10: **Injectors deliveries percentage tolerance;**
11: **Simulated revolution number;**
12: **Pulsation duration time;**
13: **Test time;**
14: **Pressure regulator current absorption diagram;**
15: **Vehicle sensor pressure diagram;**

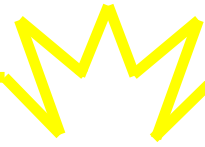## *OPTIONAL ITEMS ONLY ON REQUEST:*

PCMCIA IInd TYPE ADDITIONAL SERIAL CARD FOR RS232 SYSTEMS
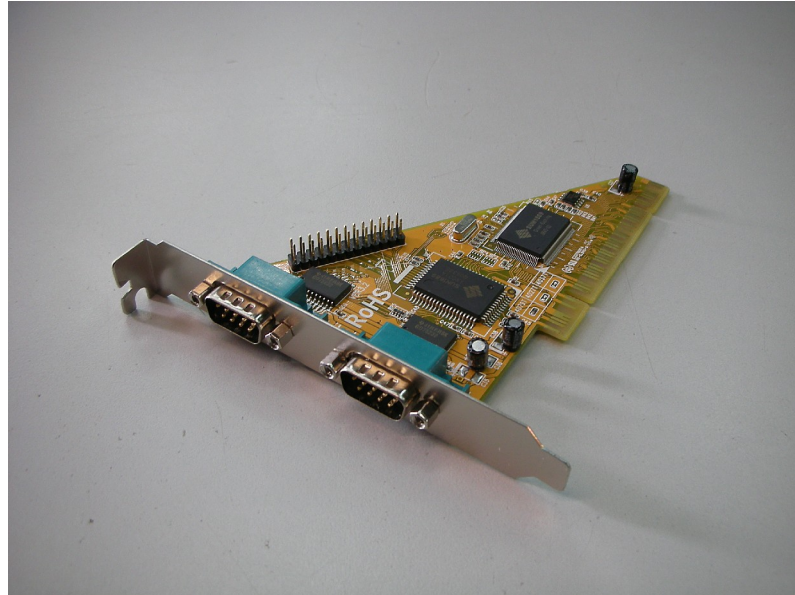

P.N.: CDN-7200

Computer serial card is recommended for those who utilize a portable computer supplied with a slot for PCMCIA IInd type serial card .
Installation is very simple: just insert the card in the computer slot as shown in the figure.

OPTIONAL ITEMS ONLY ON REQUEST:

PCI PARALLEL SERIAL SCHEDA

P.N.: CD-PCI

**La scheda seriale parallela is recommended for who utilizes a fixed computer .
Installation is very simple: just insert la scheda in a free PCI slot PCI libero of the mother
scheda as figure shows (to know further look up in the scheda madre manual).**