



| ENG

VPR-4WD

4 wheels Cold wire feeder
with digital control

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VPR-4WD is a 4 wheels wire feeder with DC motor with encoder that can grant invariability and precision in wire feeding during TIG and Plasma processes either in “cold wire” mode or in “hot wire “ mode.

The product has been conceived for modular use so as to meet all the needs:

- Manual with torch to be hold with hands: in this case the wire feeder will manage all the job
- Automatic with wire feeder provided with programmable controller, but managed together with other equipments
- Automatic with wire feeder without its own programmable controller, but managed directly by machine's PLC.



- 01. VPR-4MOT gearmotor group
- 02. VPR-4RC control panel
- 03. VPR-4RCS panel support
- 04. VPR-4SUP transport frame
- 05. VPR-4BOB wire reel holder

Technical data

01. Feeding

- 5m cable, 230V, mono
- power 100VA

02. 5 pins connector for inputs/outputs

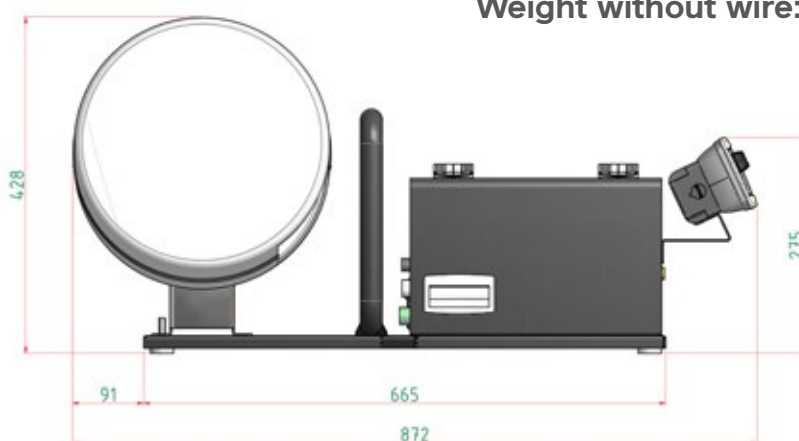
- welding trigger output
- START input
- arc ON input

03. Control panel connector, 1m standard cable, 5-10m extensions upon request

04. Fuse

Other data:

- wire speed from 100 to 4430 mm/1'
- wheels diameter 0.6 - 0.8 - 1.0 - 1.2 - 1.6
- motor power 100W with encoder



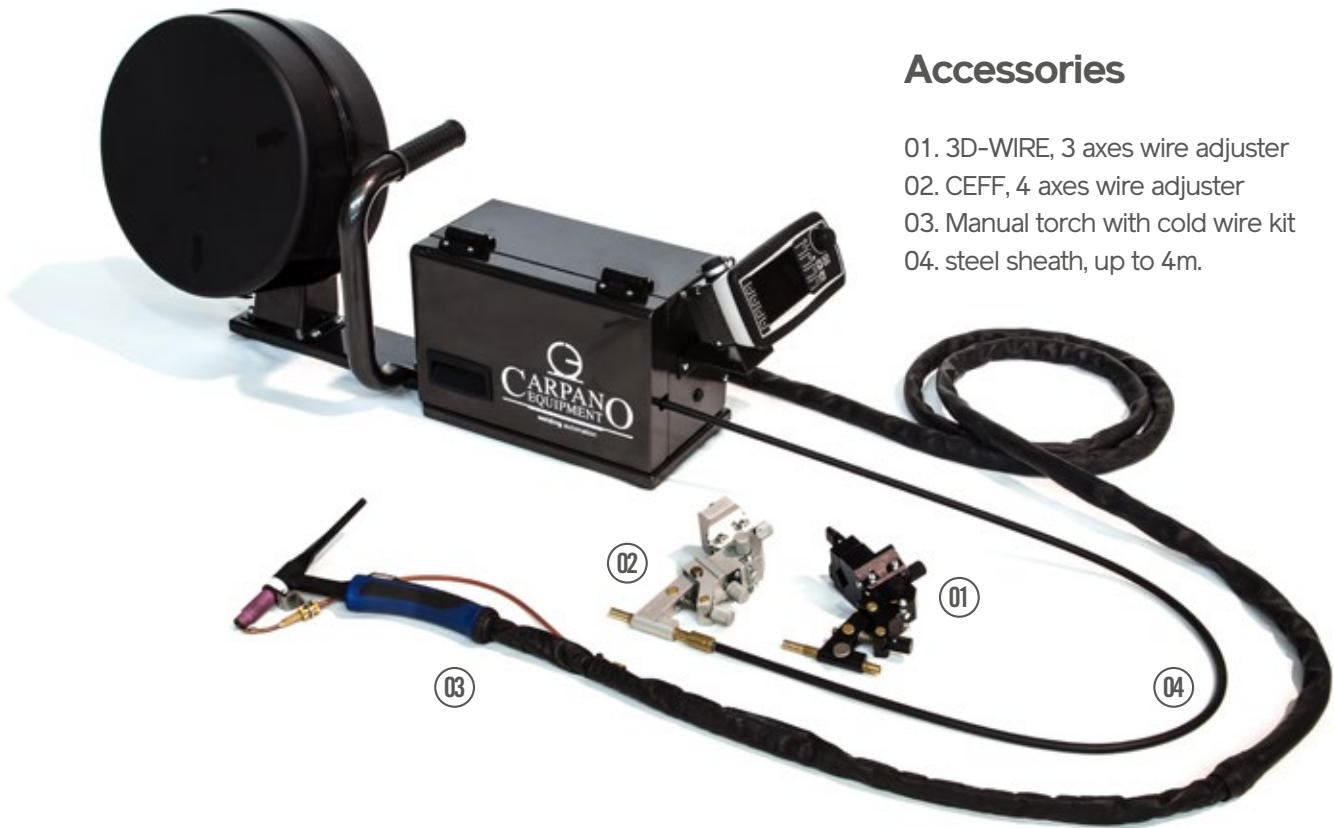
Weight without wire: 15Kg

Weight: 7.5Kg



Accessories

- 01. 3D-WIRE, 3 axes wire adjuster
- 02. CEFF, 4 axes wire adjuster
- 03. Manual torch with cold wire kit
- 04. steel sheath, up to 4m.



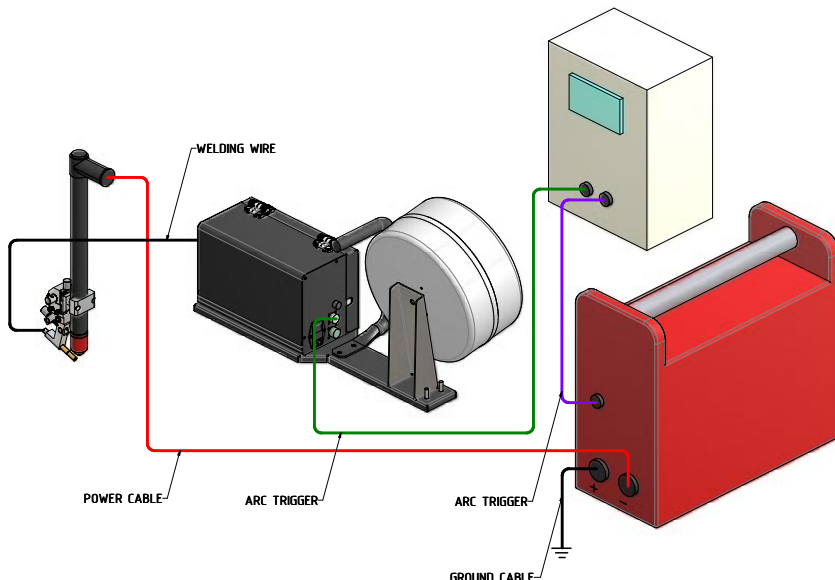
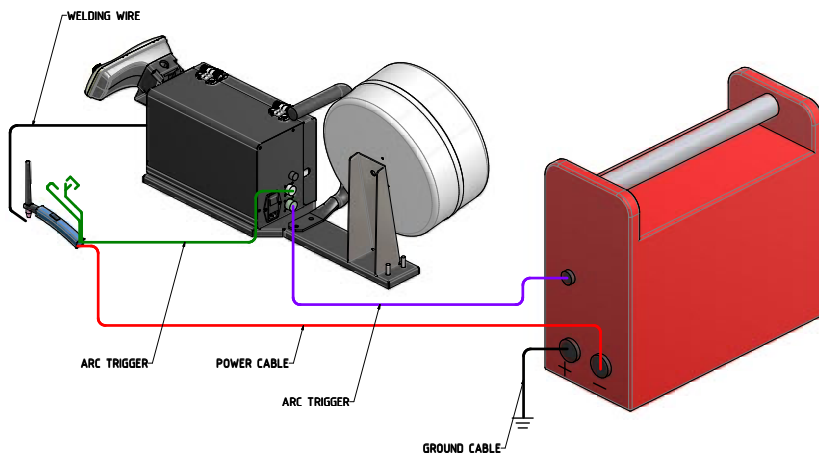
Manual use: example of connection

In this case VPR-4WD manages the work cycle:

- Operator operates torch connection
- (impulsive or continuous)
- Wire feeder turns on the arc
- After preset time the wire runs
- Operator turns off torch connection
- (impulsive or continuous)
- Stop wire, with preset going back
- Arc off after preset time

Automatic use: example of connection, with management by PLC or by external equipment

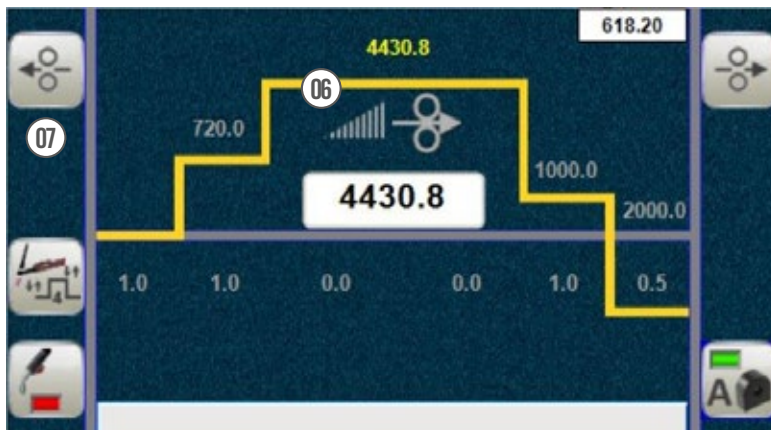
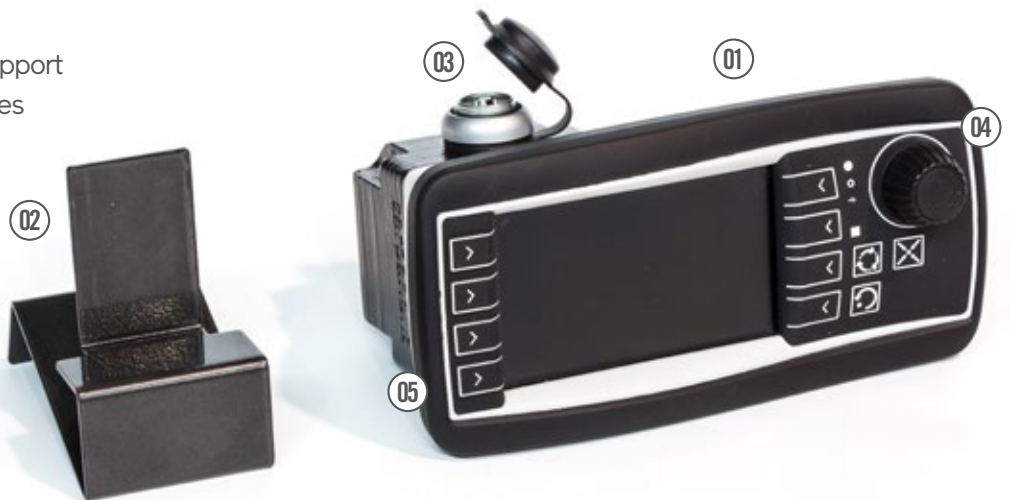
In this case PLC manages the work cycle bypassing control panel. PLC communicates directly with the machine.



Control panel description

- 01. VPR4.P001 Control panel
- 02. VPR4.013 Remote control support
- 03. USB door for software updates
- 04. Multifunction knob
- 05. Single function buttons

- panel extension cable available with 5 and 10m length



Knob 4 manages all the parameters. Pressing the knob it is possible to choose the function which parameter has to be modified. The function will be shown by the display. Now turning the knob it is possible to modify the parameter.

The active function appears inside 6 area.

Functions 7 that appear on the side of the display can be selected by single function buttons 5 located beside them.

Multifunction knob

-  wire start delay
-  start speed
-  start speed duration
-  work speed
-  final speed
-  final speed duration
-  wire going back speed
-  wire going back duration
-  emission time
-  stop time

Single function buttons

-  arc trigger on
-  arc trigger off
-  impulsive mode
-  continuous mode
-  arc on input enabled
-  arc on input disabled
-  wire back in manual mode
-  wire forward in manual mode