



# VEDO

Waist portable radio control

**ELCA**  
RADIOCONTROLS

VEDO is a new generation, waist portable radio control with an excellent mix of highlights between size and technical features.

Available with either E or BRAVO radio electronics, the Vedo is destined for use in areas such as; construction, industrial lifting and handling, concrete pumps, hydraulic truck cranes, forestry trailers, automation, telehandlers, quarries, and mining applications...

Everything is within reach. The upper controls are arranged on two levels to be easily activated even with work gloves.

Fitted with on/off or proportional joysticks with one, two or three axes and various types of buttons, toggles, rotary selectors, and potentiometers all combined to form a customized solution.

Stop, always clearly visible, and meeting highest safety standards (GSS up to cat.4 PLe EN ISO 13849-1).

Ample lateral space to accommodate additional controls, in addition to the "contactless" start up key (available also with "PIN code" key combination) and the Start button.

Versions available also with graphic DISPLAY, programmable with CODESYS, and compliant with IEC 61131-3.



SIMMETRY



CUSTOMIZABLE



ROBUST



KEY CARD

Modular protection perimeter with handle and hand support surface, designed in twin pairs and assembly system which avoids material waste in the event of breakage.

The internal structure is a honeycomb structure allowing greater physical resistance and weight reduction.

Interchangeable lithium battery, able to ensure continuous work in harshest environments.

Available receivers:

AR E FLEXI\* (133X256X88 mm), up to:  
- 16 On/Off commands, 6 prop. (PWM, analog)

AR E MAXI\* (227x276x105 mm), up to:  
- 40 On/Off  
- 23 On/Off commands, 7 prop. (PWM, analog)

AR BRAVO (210x183x60 mm), up to:  
- 16 On/Off, 8 prop. (6 PWM, 2 analog), CanBus  
- 28 On/Off, 8 analog proportional, CanBus

\*On request:

CanBus - EtherNet/IP - PROFINET - PROFIBUS.

The VEDO radio control is composed of:  
STANDARD transmitter or version with DISPLAY, + receiver (AR E FLEXI, AR E MAXI, AR BRAVO D), lithium battery, battery charger, quick release belt, and user manual.



VEDO STANDARD



VEDO DISPLAY

# VEDO

Waist portable radio control



## Technical data

### ELETRONICA E ELECTRONICS:

### BRAVO

### ELECTRONICS

	E1	E2	E29	
ISM band work frequency	433,100 - 434,775 MHz	868,0125 - 870,000 MHz	915 - 928 MHz	863,0 - 870,0 MHz opz. 433,100 - 434,775 MHz opz. 921,000 - 928,000 MHz
	LBT / FHSS	FHSS	FHSS	FHSS
Working temperature	-25 ÷ + 60 °C			
Transmission mode	FHSS			
Operating range	150 m			
Hamming distance	≥ 9			
Passive Stop time	< 0,5 s			
Active Stop Time	< 0,1 s			

## Transmitters

### VEDO STANDARD

### VEDO DISPLAY

Antenna	incorporated	
Power supply	Li-ion battery pack 7,4 V	
Current draw	< 65 mA	< 500 mA
Absorbed power	< 0,5 W	< 3,7 W
RF emission power	< 25 mW ERP	
Flat battery pre-warning time	1 hour - 5 min. - 100 sec.	
Autonomy with battery charged at 20°C	about 40 hours	Up to 8 hours (may vary on usage of the Display)
Protection degree	IP65	
Dimensions	251x167x177	251x192x210
Weight	1800	1900



AR  
E FLEXI A

AR  
E FLEXI SW



AR  
E MAXI A

AR  
E MAXI SW



AR  
BRAVO D

## Receivers

Power supply	48/55/110/230 Vac ~50/60 Hz	12-24 Vdc	48/55/115/230 Vac ~50/60 Hz	12-24 Vdc	9-30 Vdc
Protection degree	IP65		IP65		IP67
Dimensions (mm)	133X256X88		227x276x105		210x183x60
No. of available controls	up to: - 16/24 On/Off - 16 On/Off + 6 proportional - optional expansion board CanOpen, EtherNet/IP, PROFINET, PROFIBUS communications		up to: - 42 On/Off - 33 On/Off + 3 proportional - 28 On/Off + 6 proportional - 23 On/Off + 7 proportional - CanOpen, EtherNet/IP, PROFINET, PROFIBUS communication optional expansion board		up to: - 16 On/Off, 8 prop. (6 PWM, 2 analog), CanBus - 28 On/Off, 8 analog prop., CanBus



## Waist belt with support with original ELCA attachment system



ELCA srl

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