

	VIA MAESTRI DEL LAVORO,30 (ZONA INDUSTRIALE) 56021 CASCINA (PI) ITALY CAPITALE SOCIALE 100.000,00 € C.F. E P.I. 01252870504	 +39 050 711131  +39 050 711472  isacsrl@isacsrl.it  http://www.isacsrl.it/
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OPPILOT11

Mobile DASHBOARD

Reduced Data sheet

Version: 1

Date: 10.02.2026

Overview



OPPILOT11 is a portable interface that allows the user to perform several basic operations.

Communication is based on the CANopen protocol

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Part Number

Code

Code	Description
OPPILOT11	Handheld CANopen programmable dashboard (PILOT) with handwheel

Product status

Item	Value
Status	Spare parts only
In production from:	2007
As spare parts only from:	Jan 2026

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Technical data summary

General features

Description	Parameters
Display	Alphanumeric display with 128x68 pixels resolution
Overrides control	2 potentiometers for the speed and rotation override
Emergency features	• emergency buttons • operator presence (dead man)
Key buttons	reduced keyboard, but essential to operate in manual and auto functions: • 4 function keys (F1 ... F4), • operative buttons: Start, Stop, Reset and A and B button for machine function.
IP class protection	IP54
Operating temperature	0° ÷ 50°C
Relative humidity	10% ÷ 95%
Storage temperature	-20 ... +70 °C

CANopen specifications

The communication protocol with the central unit is CAN.

NMT	Slave
Error control	Node Guarding
Addressing	HW Keypad
BaudRate	HW Keypad
Number of PDOs	2 Rx, 5 Tx
Modes of PDOs	Event-Triggered, Remotely Requested
PDOs linking	No
Mapping of PDOs	Variable
Number of SDOs	1 Server, 0 Client
Version	DS-301 V3.0
Profile	DS-401 V2.0

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Electric specifications

Nominal power supply for logic.	Safe power source +24V DC $\pm$ 20%
Max tension applicable to buttons: Emergency (conductors of 10p connectors) "Dead man" (conn. 10 pins)	50V DC 50V DC
Max consumption of logic:	Itot. < 150 mA @ 24V
Max commutable tension on buttons: Emergency (conductors of 10p connectors) "Dead man" (conn. 10 pins)	Itot. < 500 mA Itot. < 500 mA

Specific function keys

DISPLAY	
Display	Monocromatic LCD
Resolution	128x64 pixels
Active area	56,27 x 38,35 mm
OVERRIDE	
Type	Override knobs
Max number of potentiometer override	2
Resolution	12 bits
Type of Potentiometers	Configuration options such as linear or logarithmic potentiometer
HANDWHEEL	
Type	Encoder hand-wheel
Max number of encoders	1
Resolution	256 (64 cycles for turn with multiplier 4)
Towards Counting	It can be set up by PLC
"DEAD MAN" BUTTON (button to enable 3 anti-panic positions)	
Type of 3 positions	Mounted on bottom side
Number of contacts	1
Type of contact	Normally open
Applicable tension	50 V DC
Max current	500mA
Positions	o 1 – stand by state: the button is unpressed and the contact is open;

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	- o 2 – operational state: the button is pressed in an intermediate position and the contact is closed; - o 3 – alarm state: the button is full pressed and the contact is open. Note: if you reach the state no.3, releasing the button, you come back directly to the state no.1, not to allow the closure of the contact in a situation of potential danger.
EMERGENCY BUTTON	
Red mushroom type	Ø 30 mm
Number of contacts	1
Type of contact	Normally closed
Max voltage applicable	50 V DC
Max current	500mA

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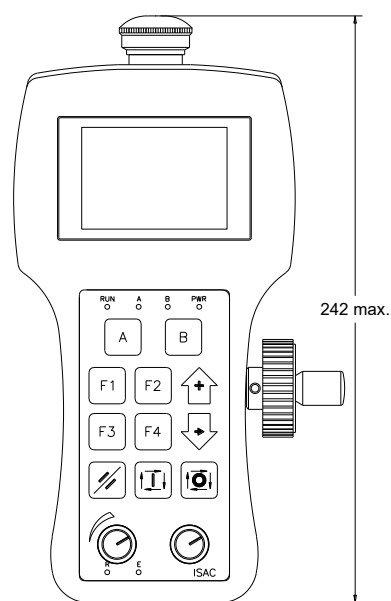
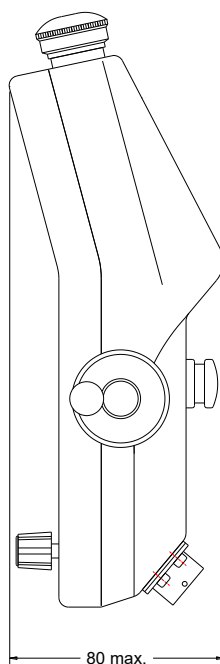
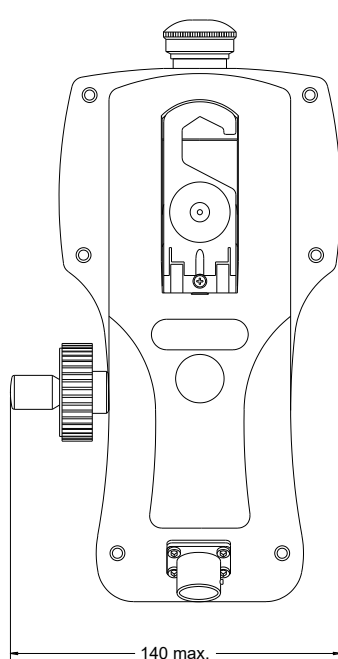
Certifications

Certification	Description
CE	EU Declaration of Conformity: EMC Directive 2014/30/UE Standards used: EN 61000-6-2:2019 EN 61000-6-4:2019
UL	Compliant with UL 61010-1, UL 61010-2-210 SAFETY SU-CA: E543724
RoHS	Declaration of Conformity: RoHS Directive 2011/65/EU
Origin	Italy

Layout and dimension

HEIGHT	240,0 mm
WIDTH	140,0 mm
DEPTH	80,0 mm





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Reference documents

Full technical data sheet: OPPILOTxx Pilot_EN