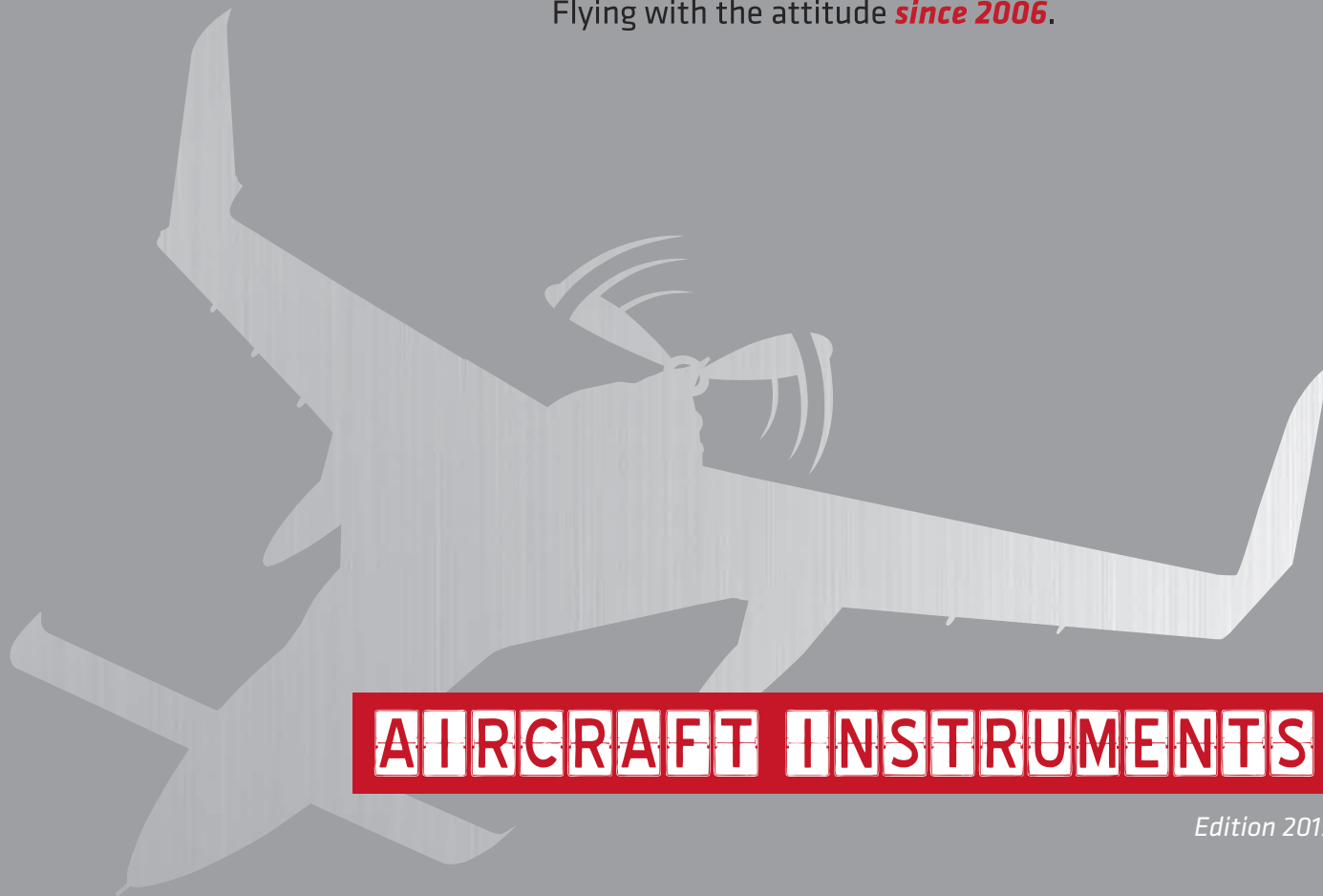


Kanardia

Flying with the attitude *since 2006.*



AIRCRAFT INSTRUMENTS

Edition 2019



Kanardia

Flying with the attitude *since 2006*.

Kanardia is developing and producing high performance avionics for ultralight aeroplanes, helicopters and autogyros.

The most important features of all our instruments are an intuitive, easy to use interface, lightweight design, reliable and fast hardware for competitive prices.





Nesis

02

Navigation and safety

05



Aetos

06



Emsis

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Additional hardware accessories

10



Daqu

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Horis

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Indu PFD

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Digi

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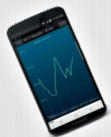
Indu EMS

17



Accessories

18



User connectivity

20



NESIS

The Nesis family of avionics is a self-contained state-of-the-art navigation instrument optimized for ultralight aeroplanes, autogyros and helicopters. All units are lightweight with low power consumption.



3990 €

NESIS III A20 kit

weight 1095 g
size 215 x 175 x 40 mm
power 820 mA

The kit consists of:

- Nesis (8.4" touch display)
- built-in AD-AHRS-GPS module
- EMS unit (Daqu/mini Daqu)
- cables, GPS antenna and OAT sensor on cable
- radio support
- new faster multicore processor
- more energy efficient (-14 %)
- new vector Kanardia worldwide maps
- improved Flarm/ADS-B support
- Wi-Fi support for METAR, map and software updates
- USB tethering support for map and software updates

- integrated video input
- slimmer housing
- user customizable layouts

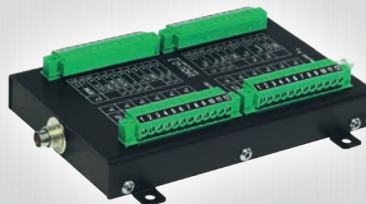
NEW



mini DAQU EMS unit

weight 82 g
size 75 x 45 x 30 mm
power 95 mA

For Rotax IS engines.



DAQU EMS unit

weight 135 g
size 125 x 80 x 20 mm
power 102 mA

For all engines, up to 6 cylinders.



NESIS DUAL KIT



3990 €

NESIS master

weight 1095 g
size 215 x 175 x 40 mm
power 820 mA



2090 €

NESIS slave

weight 1045 g
size 215 x 175 x 40 mm
power 800 mA



980 €

AUTOPILOT SERVO 6 Nm kit

weight 2180 g
size 102 x 64 x 99 mm
power 2 A

Adds autopilot function.



450 €

MAGU

weight 57 g
size 62 x 62 x 23 mm
power 25 mA

Adds wind indication and true heading.
Nose/tail install available.

NESIS 7"

BRAND NEW



3690 €

NESIS III 7" kit

weight **745 g**
size **190 x 125 x 40 mm**
power **690 mA**

The kit consists of:

- Nesis (7" touch display)
- built-in AD-AHRS-GPS module
- EMS unit (Daqu/mini Daqu)
- cables, GPS antenna and OAT sensor on cable
- radio support
- new faster multicore processor
- more energy efficient (-14 %)
- new vector Kanardia worldwide maps
- improved Flarm/ADS-B support
- Wi-Fi support for METAR, map and software updates
- USB tethering support for map and software updates
- integrated video input
- user customizable layouts
- illuminated buttons
- **better screen resolution - 1024x600 px**

Nesis 7"
also available
as **DUAL KIT**
5540 €

Also
available as
slave for
1850 €

MAPS

Free

KANARDIA MAPS

New vector worldwide maps

49-89 €

DFS MAPS

Germany	Hungary
Holland	Czech Republic
Switzerland	Poland
Austria	Croatia
Belgium	Spain
Denmark	Portugal
Italy	

Free

OPEN FLIGHT MAPS

Germany	Hungary
Denmark	Slovenia
Sweden	Austria
Bulgaria	Romania
Belgium	Netherlands
Poland	Namibia
Croatia	Greece
Switzerland	Czech Republic
Finland	Slovakia
South Africa	Italy

Free

USA MAPS

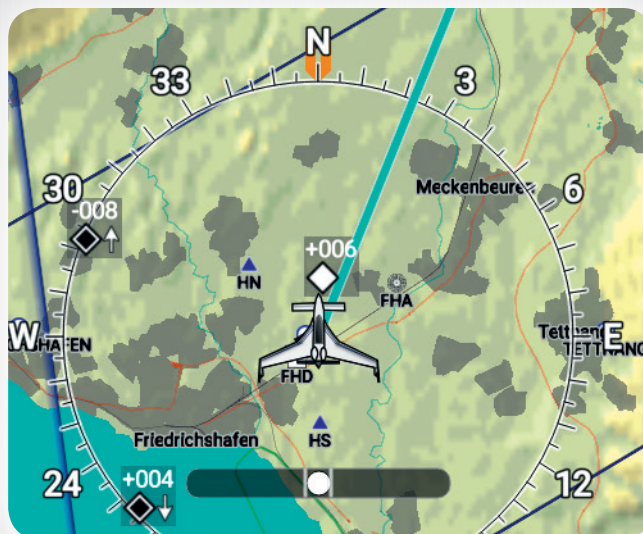
FAA US sectional charts

Free

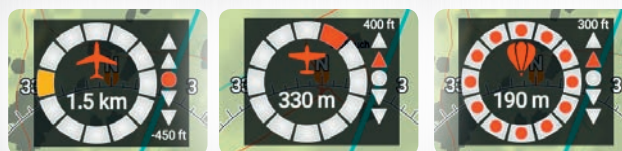
AUSTRALIA MAPS

Visual navigational charts
Visual terminal charts

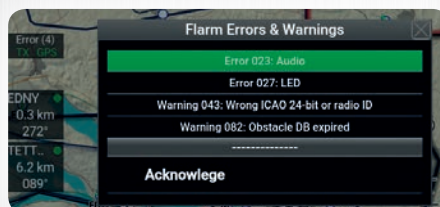
FLARM SUPPORT IN NESIS



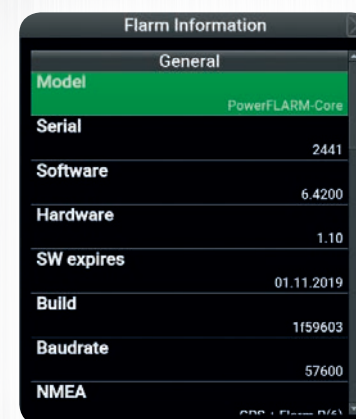
Airplanes detected by FLARM are displayed on the moving map screen.



In the case of danger, warning window pops up and stays on display until the threat disappears.



FLARM warnings and diagnostic.



Detailed information about FLARM.



AETOS

provides you with crystal clear 7 inch PFD and reliable EMS.



2590 €

AETOS kit

weight **700 g**
size **190 x 125 x 40 mm**
power **800 mA**

The kit consists of:

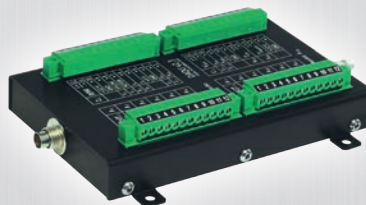
- Aetos (7" display)
- built-in AD-AHRS-GPS module
- EMS unit (Daqu/mini Daqu)
- cables, GPS antenna and OAT sensor on cable
- integrated backup battery
- Flarm/ADS-B support
- 3D terrain
- Wi-Fi support for METAR and software updates
- USB tethering support for software updates
- illuminated buttons



mini DAQU EMS unit

weight **82 g**
size **75 x 45 x 30 mm**
power **95 mA**

For Rotax IS engines.



DAQU EMS unit

weight **135 g**
size **125 x 80 x 20 mm**
power **102 mA**

For all engines, up to 6 cylinders.

AETOS PFD

www.kanardia.eu



AETOS



2140 €

AETOS master

weight 700 g
size 190 x 125 x 40 mm
power 800 mA



1390 €

AETOS slave

weight 670 g
size 190 x 125 x 40 mm
power 770 mA



450 €

MAGU

weight 57 g
size 62 x 62 x 23 mm
power 25 mA

Adds wind indication and true heading.
Nose/tail install available.

All prices in brochure are net prices without VAT.

 Kanardia

07



EMSIS PFD

is a simple and proven instrument used for **PFD (primary flight display)**.



Emsis 80
also available
as **DUAL KIT**
2080 €

Also
available as
PFD/EMS for
1540 €

1090 €

EMSIS 80 PFD kit

weight **298 g**
size **82 x 82 x 65 mm**
power **150 mA**

The kit consists of:

- Emsis 80
- built-in AD-AHRS-GPS module
- cables, GPS antenna and OAT sensor on cable



Emsis 3.5
also available
as **DUAL KIT**
2240 €

Also
available as
PFD/EMS for
1620 €

1170 €

EMSIS 3.5 PFD kit

weight **312 g**
size **112 x 69 x 65 mm**
power **170 mA**

The kit consists of:

- Emsis 3.5 PFD
- built-in AD-AHRS-GPS module
- cables, GPS antenna and OAT sensor on cable



110 €

UPS-U

- sealed lead acid battery for currents up to 1.2 A
- suitable for Nesis, Emsis, Aetos,...
- set of more instruments



450 €

MAGU

weight **57 g**
size **62 x 62 x 23 mm**
power **25 mA**

Adds wind indication and true heading.
Nose/tail install available.

EMSIS EMS is a simple and proven instrument used also for **EMS (engine monitoring system)**.



EMSIS



990 €

EMSIS 80 EMS kit

weight **230 g**
size **82 x 82 x 45 mm**
power **140 mA**

The kit consists of:

- Emsis 80
- EMS unit (Daqu/mini Daqu)
- cables



DAQU EMS unit

weight **135 g**
size **125 x 80 x 20 mm**
power **102 mA**

For all engines, up to 6 cylinders.



1070 €

EMSIS 3.5 EMS kit

weight **235 g**
size **112 x 69 x 45 mm**
power **130 mA**

The kit consists of:

- Emsis 3.5 EMS
- EMS unit (Daqu/mini Daqu)
- cables



mini DAQU EMS unit

weight **82 g**
size **75 x 45 x 30 mm**
power **95 mA**

For Rotax IS engines.



ADDITIONAL HARDWARE ACCESSORIES



980 €

AUTOPILOT SERVO 3 Nm *kit*

weight 1760 g
size 102 x 64 x 77 mm
power 1 A

Adds autopilot function.



980 €

AUTOPILOT SERVO 6 Nm *kit*

weight 2180 g
size 102 x 64 x 99 mm
power 2 A

Adds autopilot function.



150 €

BOXI *controller*

weight 95 g
size 74 x 70 x 23 mm
power 25 mA

Controls pitch and roll, electrical trims and radio transmission.



690 €

AMIGO *autopilot panel*

weight 170 g
size 100 x 48 x 30 mm
power 170 mA

Bright, easy to read display and intuitive button arrangement.



300 €

JOYU *remote controller*

weight 155 g
size 140 x 65 x 45 mm
power 25 mA

Adds remote control capability to your Nesis, Emsis or Aetos.

- user configurable
- improved design

NEW

DAQU

is a versatile engine sensors acquisition unit.

www.kanardia.eu



DAQU EMS unit

weight 135 g
size 125 x 80 x 20 mm
power 102 mA

Daqu measures pressures, temperatures, RPM's, voltages, currents, fuel levels and flows and much more. For all engines up to 6 cylinders.

- support for two engines

NEW

mini DAQU EMS unit

weight 82 g
size 75 x 45 x 30 mm
power 95 mA

mini Daqu obtains most engine implementation data from ECU. In addition various supplementary sensors can be connected (fuel level, pressures, temperatures, voltages and much more.) For modern engines with ECU.

Supported engines:

- Rotax 912iS, 915iS
- Geiger Wankel A2-74
- UL power
- MWfly

NEW

Additional features:

- digital RPM output signal for propeller pitch controller
- external switch can be used:
 - for automatic Rotax iS start switch
 - to trigger some external alarm

NEW



HORIS

is a state of the art AD-AHRS unit suitable for installation to standard aviation openings.



990 €

HORIS 80

weight 250 g
size 82 x 82 x 45 mm
power 275 mA



890 €

HORIS 57

weight 180 g
size 62 x 62 x 45 mm
power 140 mA



200 €

UPS-L

weight 176 g
size 81 x 47 x 32 mm

Adds battery backup to your Horis.



450 €

MAGU

weight 57 g
size 62 x 62 x 23 mm
power 25 mA

Adds wind indication and true heading.
Nose/tail install available.

BEST SELLER

- very low power consumption
- compact design
- stable attitude during sustained turns (suitable for gliders)
- G-force meter
- groundspeed indication
- direction indication

• GNSS constellation view

NEW

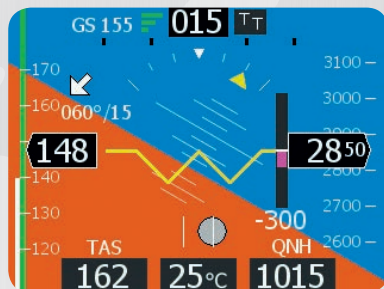


60 €

BLU CAN interface

weight 6 g
size 14 x 10 x 40 mm
power 25 mA

A necessity which allows you to update and configure Kanardia instruments.



PFD screen



DI screen



G-metre screen

Horis DUAL
KIT for only
1680 €



990 €

HORIS *master*

weight 250 g
size 82 x 82x 45 mm
power 275 mA



Available also
in 57 mm size.

690 €

HORIS *slave*

weight 205 g
size 82 x 82x 45 mm
power 245 mA



INDU80

round instruments. A big diverse family of 57 and 80 mm gauges with possibility to personalise scales and LCD displays.



Brightness
adjustment

490 €

COMBO 80

weight 210 g
size 82 x 82 x 45 mm
power 105 mA



Brightness
adjustment

390 €

ALTIMETER 80

weight 240 g
size 82 x 82 x 55 mm
power 120 mA



Integrated
backup battery

490 €

ALTIMETER 80 BU

weight 300 g
size 82 x 82 x 55 mm
power 120 mA



390 €

AIRSPEED INDICATOR 80

weight 210 g
size 82 x 82 x 45 mm
power 105 mA



390 €

VARIOMETER 80

weight 210 g
size 82 x 82 x 45 mm
power 105 mA



390 €

G-METER 80

weight 210 g
size 82 x 82 x 45 mm
power 105 mA

All instruments
are also available
as slaves for 240 €
in 57 or 80 mm
size.



490 €

COMBO 57

weight 200 g
size 62 x 62 x 45 mm
power 110 mA



390 €

ALTIMETER 57

weight 180 g
size 62 x 62 x 45 mm
power 110 mA



200 €

UPS-L

weight 176 g
size 81 x 47 x 32 mm

Adds battery backup to your Indus.



390 €

AIRSPEED INDICATOR 57

weight 160 g
size 62 x 62 x 45 mm
power 102 mA



390 €

VARIOMETER 57

weight 160 g
size 62 x 62 x 45 mm
power 102 mA



390 €

G-METER 57

weight 160 g
size 62 x 62 x 45 mm
power 105 mA



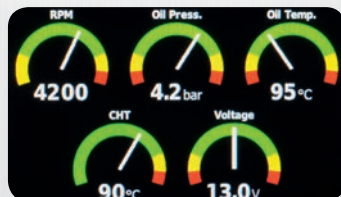
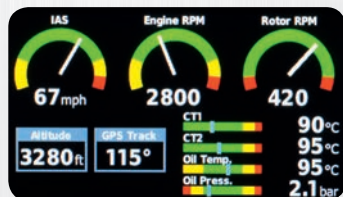
DIGI slave
for only
500 €

930 €

DIGI EMS *kit*

weight 140 g
size 117 x 71 x 17 mm
power 170 mA

Adds 4.3" EMS screen.



60 €

BLU CAN interface

weight 6 g
size 14 x 10 x 40 mm
power 25 mA

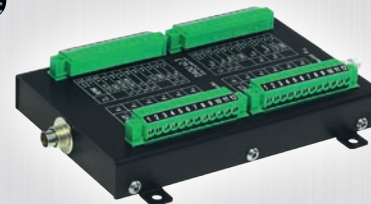
A necessity which allows you to update and configure Kanardia instruments.



mini DAQU EMS unit

weight 82 g
size 75 x 45 x 30 mm
power 95 mA

For Rotax IS engines.



DAQU EMS unit

weight 135 g
size 125 x 80 x 20 mm
power 102 mA

For all engines, up to 6 cylinders.

The LCD layout and scale can be also designed according to the customer needs.



270 €

RPM INDICATOR 80

weight 200 g
size 82 x 82 x 45 mm
power 105 mA



270 €

RPM INDICATOR 57

weight 150 g
size 62 x 62 x 45 mm
power 102 mA



Available also in 80 mm size.

240 €

OIL PRESSURE INDICATOR *slave*

weight 150 g
size 62 x 62 x 45 mm
power 102 mA

Requires Daqu/mini Daqu.



Available also in 80 mm size.

240 €

FUEL PRESSURE INDICATOR *slave*

weight 150 g
size 62 x 62 x 45 mm
power 102 mA

Requires Daqu/mini Daqu.



Available also in 80 mm size.

240 €

OIL TEMPERATURE INDICATOR *slave*

weight 150 g
size 62 x 62 x 45 mm
power 102 mA

Requires Daqu/mini Daqu.



CHT probe for Rotax 50 €

- temperature probe, VDO (0 to 150 °C/0 to 300 °F)
- 1/8 - 27 NPT thread

For Rotax engines.



CHT probe for Jabiru 50 €

- thermocouple (type J)
- 12 mm ring terminal

For Jabiru engines.



CHT probe for Lycoming 70 €

- thermocouple adjustable bayonet (type J)
- bushing 3/8" - 24, tip 2 1/2" x 3/16"

For Lycoming engines.



OAT digital sensor 40 €

- outside air temperature (OAT) digital sensor



EGT probe for Rotax 50 €

- thermocouple (type K)
- M8x1 screw type

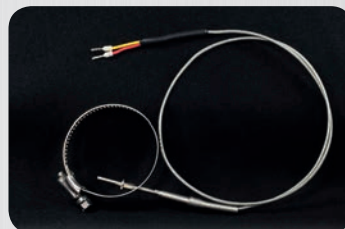
For Rotax engines.



EGT probe for Jabiru 50 €

- thermocouple (type K)
- hose clamp 25/40

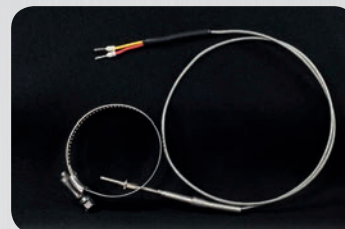
For Jabiru engines.



EGT probe for Lycoming 50 €

- thermocouple (type K)
- hose clamp 40/60

For Lycoming engines.



EGT probe for Rotax 50 €

- thermocouple (type K)
- hose clamp 20/32

For Rotax engines.



Fuel pressure sensor 110 €

- active fuel pressure sensor (0 to 1 bar / 0 to 15 psi)
- 1/8 - 27 NPT thread

For all engines.



Oil/fuel pressure sensor 110 €

- active oil pressure sensor (0 to 10 bar / 0 to 145 psi)
- 1/8 - 27 NPT thread

For all engines.



Oil/water temperature sensor 50 €

- oil or water temperature probe, VDO (0 to 150 °C / 0 to 300 °F)
- 1/8 - 27 NPT thread

For Rotax and Jabiru engines.



Oil temperature sensor 50 €

- oil temperature (100 to 150 °C)
- 5/8 - 18 UNF thread

For Lycoming engines.



Red Cube 230 €

Flow Transducer

- fuel flow sensor FT-60
- flow rate: 0.6 to 70+ US GPH

For all engines up to 350 HP.



Rotor RPM sensor 50 €

- proximity sensor
- 12 to 24 V DC



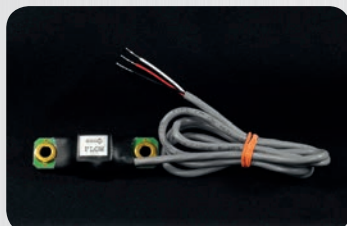
UPS-U 110 €

- sealed lead acid battery for currents up to 1.2 A
- suitable for Nesis, Emsis, Aetos,...
- set of more instruments



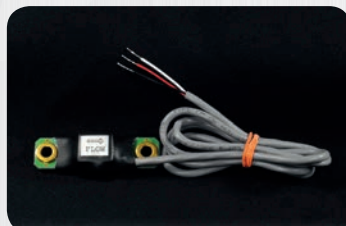
UPS-L 200 €

- Lithium-ion battery for currents up to 350 mA
- suitable for one Horis or up to 2 Indus



Current transducer 30 A 60 €

- for currents up to ± 30 A

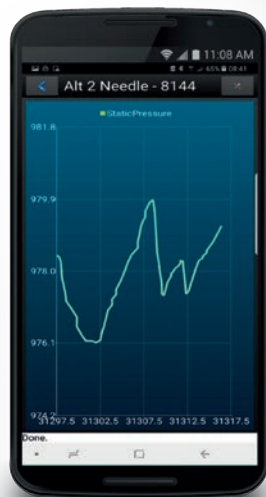


Current transducer 60 A 60 €

- for currents up to ± 60 A



USER CONNECTIVITY



Free

KANJA app

Kanja is an app, which connects your Android device with Kanardia CAN bus via Bluetooth. BLU is also required.



60 €

BLU CAN interface

weight	6 g
size	14 x 10 x 40 mm
power	25 mA

A necessity which allows you to update and configure Kanardia instruments.



EAA[®] AIRVENTURE[™] **OSHKOSH** **2019**

22th July 2019 – 28th July 2019
On Booth 2055, Hangar B





Kanardia

Flying with the attitude *since 2006.*

Kanardia d.o.o.

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+386 40 360 512 • info@kanardia.eu • www.kanardia.eu