PowerBox Systems® Industrial

CAN-ASA

High precision Airspeed and Altitude Sensor with CAN-Bus Interface

The CAN-ASA is an airspeed and altitude sensor that works with two high-precision digital barometric sensors. The static pressure is used to calculate altitude and rate of climb. The speed is calculated from the difference to the dynamic pressure. This results in a large measurable speed range up to over 850 km/h and an altitude measurement with 100 mm relative resolution.

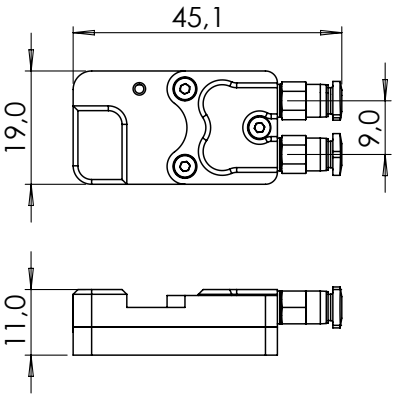
The CAN-BUS interface enables simple integration into all common flight computers. In addition, the most common RC telemetry protocols such as P²-BUS or EX-BUS can be operated in parallel with the CAN-BUS interface.

Two 3 mm Festo connectors are installed for the connection to the pitot tube. The CAN-ASA can be updated.

FEATURES

+ Precise measurement of speed, altitude, climb rate and distance
+ Two high-precision separate pressure sensors with the latest MEMS sensor technology
+ Speed measurement up to approx. 850 km/h
+ Altitude measurement accurate to 10 cm
+ High-precision climb rate measurement 0.1 m/s
+ Fast digital filters for delay-free data acquisition without noise
+ CAN-BUS interface for easy integration
+ Aluminum housing with two separate pressure chambers
+ Festo connectors suitable for 3 mm Festo tubes
+ Automatic detection of the optionally connected RC system
+ Supported RC systems: PowerBox P²BUS, Jeti-EX, Futaba S.BUS2
+ Works with all types of pitot tubes
+ Can be updated with the Mobile Terminal

SPECIFICATION

Operating voltage:	4,0 V - 9,0 V
Consumption Power ON:	max. 32 mA
Supported bus systems:	Drone-CAN, PowerBox P²-BUS, Jeti-EX, Futaba S.BUS2
Resolution Speed:	1 km/h (from 10 km/h)
Max. speed:	850 km/h
Resolution height:	0.1 m
Dimensions:	45 x 19 x 11 mm
Weight:	14 g
Temperature range:	-40°C to +85°C

DIMENSIONS