

## DIGITAL RADIO ALTIMETER

- FMCW OPERATION
- DIGITAL SIGNAL PROCESSING
- SMALL SIZE
- WATERPROOF DESIGN

The BUAC12 is a high quality radio altimeter intended for use in true altitude over ground measurement of fixed and rotary wing aircrafts. FM-CW operation ensures high altitude accuracy and resolution. Digital signal processing applied for a more reliable operation. High altitude update rate makes this altimeter ideal in unmanned aircraft (UAV) altitude control loops.

### Electrical characteristics:

Altitude range	0 – 500 meters
Altitude resolution	0.125 meters
Altitude accuracy	better than 0.6 m @ 0 to 30m better than 2 % @ 30 to 500 m
Altitude update rate	5 readings/second
AID	configurable
Frequency range	4.25 – 4.35 GHz
Frequency sweep range	100 MHz
RF output power	10 dBm max.
Data interface	RS-422
LED display	Optional
RF connectors	SMA FEMALE
Data and power supply connector	DSUB-9 female
Supply Voltage	+12 V DC (other option is possible)
Operating Temp. Range	-40...+85 °C
Mechanical Size	approx. 152 x 68 x 19 mm
Weight	approx. 300 g

### Outline drawing:

