



# iSENS iS-1

Incidence angle, gliding angle, velocity, altitude and vertical velocity indication sensor.



Measuring of all this parameters is provided simultaneously at one place. So it could be set densely in a wing panel. Incidence angle, gliding angle indication could provide forming a full-fledged velocity vector on the display. That significantly simplifies the maintenance of the specified modes in flight and eases the landing approach in the Sintetic vision mode.

**Measurable parameters:**

Incidence angle +- 30 degrees  
 gliding angle +- 30 degrees  
 velocity - 50 – 500 kilometers/hour;  
 altitude – - 500 – 5500 m;  
 vertical velocity +- 50 meters per second;  
 The overall dimensions (mm) – 25 x 25 x 117.5  
 Weight – not more than 280 g

**Sensors box:**

The overall dimensions (mm) – 106 x 70 x 35  
 Weight – not more than 160 g  
 The level of protection meets requirements - IP 65  
 Operating temperature – from -40C up to +85C  
 Storage temperature – from -55C up to +85C

**The interface data:**

RS-485 (ANSI TIA/EIA-485-A-1998) – 1 channels  
 CAN (ISO 11898-1) – 1 channel

**Power supply:**

DC input voltage – 28V (12V)  
 Power – 5 Watt (at 28V)  
 Dual isolated power inputs

RTCA Env. DO-160G

**DO-160G [A4]XBAB[RM]XXXXFSABAZZRMXXXXA**

Contact us

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