KAVICS

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PIR361 Smallest and Lightest

ILS/VOR Analyzer

Product Overview

PIR361 is an optimized analyzer for ILS, VOR, and Marker Beacon Signal. It is world's smallest and fastest data speed analyzer in accordance with ICAO annex 10 CAT III. PIR361 is suitable for drone fly, vehicle mounted, ground, and far-field monitor application.

Save your budget and time! Enjoy Navigational Aid Measurement with Kavics PIR361 Analyzer.

Key Features



- Most compact analyzer in the world
 - ILS, VOR, Maker Beacon Analysis
- 10 hours operation from fully charged
- 100measurement data /1sec
- RS-232 interface via laptop or tablet
- 2km wireless real-time monitor
- Battery or AC/DC converter operation
- ICAO CAT III fully compliant
- SBAS GPS receiver installed

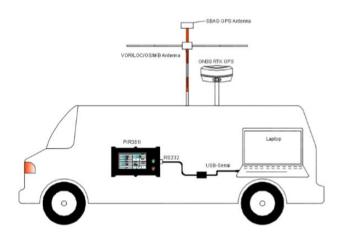
Applications

PIR361 is SWaP designed analyzer, optimized for size and weight without any compromise in terms of performance and functions. PIR361 gives maximum mobility, so can be easily equipped on Drone by compact size and light weight. 10hours and more battery operating time, weatherproof for outdoors, and wireless connection support Drone fly as well. PIR361 can be utilized for vehicle mounted measurement, ground measurement, and far-field monitor application.

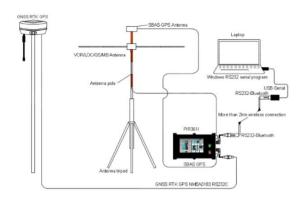
PIR361 will give maximum flexibility for accessories and options in terms of compatibility and logistics. The user can use listed accessories and/or its equivalent products.



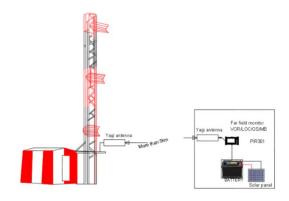
Drone fly measurement



Vehicle mounted measurement



Ground measurement



Far-field monitor application

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Specification

Electrical specifications				
Signals	LOC/VOR		GS	MB
Frequency range	108 to 117.95MHz	329.15	to 335.0MHz	75MHz only
RF impedance	50Ω			
Rx sensitivity	-85 to -15dBm			
Frequency stability	±100ppb@+25°C			
RF power reading accuracy	±1.0dB max			
ILS DDM accuracy	±0.0001 @ -80dBm			
VOR bearing angle accuracy	±0.2° Max @ -80dBm			
Operating temperature	0°C to +55°C			
Battery	10,000mA/hour Li-ion (10hours operation after fully charged)			
Power consumption	3.55watts max with full brightness touch screen TFT LCD			
GPS Input	SBAS GPS		(±1meter long., lat. /±2meter alt.)	
	(Default installed inside PIR361)		Type N connector	
	GNSS RTK GPS		Protocol: NMEA0183	
	(Any vendor's product will be		3pin DIN to D-SUB 9pin connector	
	compatible if RS-232 serial	port is		
	available)			
LCD	5.0 Inch TFT resistive touch (480 X 272 pixel)			
DC power supply	USB2.0 to DC barrel connector with +5.1Vdc@2.1A with AC/DC Adaptor			
DC Power consumption	3.55Watts@5.0Vdc with LCD full brightness			
Data & calibration interface	Protocol: RS232 (Baud rate:57.6Kbps fixed)			
	8pin DIN to D-SUB 9pin connector. 100/1sec maximum data rate			
Related Specifications	ICAO Annex-10 CATIII			
Mechanical specifications				
Dimensions	196mm X 120mm X 67mm (W x D x H)			
Weight	1.62 kg			
Body material	2mm thick aluminum (EMI shield)			
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For more information, please contact

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