

# INS 429



**VOR  
Localizer  
Glide Slope  
Marker Beacon  
GPS/NAV INPUTS  
IFR APPROVED**

**\$2450**

The INS 429 is a high quality, multi-function, fully integrated navigational instrument. Not only does it sport its own internal receivers, it will also display course deviation information from an external NAV or GPS source. Whether your installing a Garmin 250xL, 300XL, or 430, or a King KLN 89 or 90 this unit is the perfect solution for a crowded panel.

## Specifications

Physical Dimensions	3.40" X 3.45" X 9.20"		
Weight:	3.2 lbs		
Mounting:	Panel-mounted. No shock mounting required.	Receiver:	
Power Requirements:	11-32 VDC, 1.5A max.	VHF Frequency (VOR/LOC)	108.00 to 117.95 MHz
External Outputs:		Sensitivity	2 $\mu$ V to provide 50% Standard Deflection
Audio Output	60mW into a 600 $\Omega$ load	Channel Spacing (VOR/LOC)	50 kHz
CDI Left/Right	150mV into 1K Load	UHF Frequency (Glideslope)	329.15 to 335.0 MHz
VDI Up/Down	150mV into 1K Load	Sensitivity	20 $\mu$ V to provide 50% Standard Deflection
External Inputs:		Channel Spacing (Glideslope)	150 kHz
GPS CDI Left/Right	150mV into 1K Load	Marker Receiver	75 MHz
VOR CDI Left/Right & OBS	150mV into 1K Load	AGC Characteristics	From 10 $\mu$ V to 200 $\mu$ V the audio level will not vary more than 3db.
ILS CDI Left/Right	150mV into 1K Load		
VDI Up/Down			