



*"You're On Our Radar"*

# Python® III FS Dash-Mount Radar System

POLICE RADAR • POLICE LASERS • SURVEY LASERS • SPEED SIGNS

## A Classic Design with Fastest/Same Lane

Expanding on the capabilities of the Python III, the Python III FS offers the added benefits of same direction moving mode and fastest vehicle mode. Same direction moving mode measures vehicles travelling the same direction you are on the roadway. Fastest vehicle mode measures the speed of the fastest vehicle, in addition to strongest vehicle in stationary or opposite direction moving mode. The smaller readout unit has a completely new look with bigger, easier-to-read displays. The simple remote control allows you to keep your eyes on the road instead of looking for buttons. The Python III FS accepts a speedometer interface module, without necessary cruiser modifications.



## Features

## Benefits

**Smaller readout with larger displays**

Easy-to-read while taking less dash space.

**Uncluttered remote control**

Easier operation without taking your eyes off the road.

**Intuitive roadway-style mode display**

Graphically displays the current operating mode.

**K and Ka-band antennas**

Smaller, streamlined profile, requiring less room for installation.

**Same display configuration as BEE III™**

Simplifies your operator training programs.

**Same direction moving & fastest vehicle modes**

Features usually found in more expensive radar systems.

**Optional speedometer interface**

Eliminate false patrol speed readings, with no modifications to vehicle.

**Software upgradable through data port**

Easily add features or updates as needed.

**Description:** The Python Series III FS moving radar is designed for convenient use by law enforcement agencies in measuring the speed of vehicles. Available in K or Ka-band, the Python III FS operates from stationary or moving patrol vehicles, using the well known and legally accepted Doppler principle. The radar has been type accepted by the Federal Communications Commission and conforms to all NHTSA specifications.

### Special Features

- Python utilizes true Digital Signal Processing (DSP), allowing it to monitor all targets in the radar beam simultaneously. Inferior techniques, which are simply advanced analog processing methods masquerading as DSP, cannot match the performance of the Python.
- Python is simple yet effective. No other moving radar can match the simplicity of the Python's design. The remote control can easily be operated while the user focuses on the road. The pushbuttons on the readout unit are clearly labeled and can be operated with gloved hands.
- Python uses MPH's exclusive high-quality Doppler audio. This court-proven feature is a true indicator of the quality of the target's return signal. The volume increases when the signal strength increases, and any interfering targets that are present become immediately apparent.
- The reliability and accuracy of the Python are guaranteed by MPH Industries. The Python conforms to NHTSA radar specifications.
- Python contains the following functions and controls:
 

Power	Range Control	Antenna Select
Test	Moving/Stationary	Volume Control
Squelch	Patrol Blanking	Antenna Standby
RFI Detect	Low Voltage Sensing	Lock/Release
Fastest/Same Lane		
RS-232 Communication Port		

### General Specifications

- **Power:** 10.8 to 16.5 Volts DC, 0.9 Amps @ 13.6 V nominal. Fused power cable. Reverse polarity protection.
- **Operating modes and speed ranges:** The Python III FS is equipped with stationary, opposite-direction moving, fastest vehicle, and same direction moving modes. In addition, it is equipped with a City/Highway mode to minimize patrol speed errors in low speed and highway speed conditions.  
  
Python III FS also accepts MPH's speedometer interface module. The module receives approximate vehicle speed information from the patrol vehicle and uses it to help the radar interpret the correct patrol speed. When in use the radar's City/Highway mode is selected automatically by the radar, based on the speedometer reading. The Python is also capable of higher patrol speeds when the speedometer interface is in use.
- **Target Distance:** Typically, one mile range for the average size vehicle. Range can vary with vehicle size, terrain, weather and traffic conditions.
- **Speed Display:** Three LED windows simultaneously display patrol, target, and locked speeds. Display brightness automatically adjusts to the ambient light level. All displays are 0.4 inches in height.
- **Readout Unit Size:** 1.6" H x 6.5" W x 4.9" D
- **Antenna (K-band):** Modules consist of a circularly polarized, seamless conical horn antenna and shatterproof microwave lens, contained in a rugged cylindrical aluminum housing.
- **Antenna (Ka-band):**
  - Frequency: 33.8GHz + 100 MHz (Ka-band)
  - Type: Circularly polarized, with seamless conical horn and Rexolite microwave lens.
  - Enclosure: All-aluminum housing with a waterproof polycarbonate radome cover incorporating O-ring seals.



The MPH Python III FS is manufactured in our Owensboro, KY facility and is in compliance with the BUY AMERICA ACT.

For more information or official documentation, contact us at [www.mphindustries.com](http://www.mphindustries.com)

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