

*Simply*  
**MPH** *the Best* Radar

**Z-15™ Handheld Radar**

The new **Z-15**, a great point-and-shoot stationary radar. Lightweight, simple to operate, and “indestructible” in its polycarbonate body. The latest in Digital Signal Processing (DSP) assures long range and accuracy. K Band operation gives pinpoint targeting, yet keeps cost down. The Z-15 package consists of the radar, a tuning fork, and the operator’s manual.



**Features**

**Benefits**

- Extremely simple to use** .....
- Instantaneous speed capture** . . . . .
- Excellent target range**. . . . .
- Compact and lightweight** . . . . .
- Narrow beam K Band antenna** . . . . .
- Comprehensive error detection**. . . . .
- Optional computer data port** . . . . .

- Pull the trigger to measure a target’s speed, release it to lock the speed in.*
- Inhibits radar detectors with “instant” activation.*
- No other handheld radar outshoots it.*
- Fatigue-free use and trouble-free storage.*
- Positive target identification.*
- Great reliability and error-free operation.*
- Interfaces with Speed Monitor™ and video systems.*

**The Company:** MPH Industries, Inc. specializes in velocity measurement. Formed in 1975, MPH is one of the largest suppliers of Doppler radars to Law Enforcement worldwide. MPH also serves the highway and rail transportation industries, education and sports. MPH Industries is a subsidiary of MPD, Inc., a manufacturer of aerospace components and subsystems, electronic components and breath alcohol analyzers.

# Z-15™ Handheld Radar

## Specifications

**Description:** A one-piece Doppler radar for handheld use. Lightweight at two pounds (one kilogram), and ergonomically designed, this radar can be used comfortably for hours. The latest in Digital Signal Processing gives extraordinary range and unexcelled accuracy. A clean, attractive design made from polycarbonate, one of the toughest, most durable materials available. Readout is via a highly visible Liquid Crystal Display with backlighting.

Operating frequency:	24.125 +/- 0.100 Gigahertz (K Band)
Target speed range:	10 - 160 mph (optional 16-270 kph)
Target speed lock:	Indicated by flashing speed in target display window
Speed accuracy:	+/-1 mph (+/- 1 kph)
Range:	1 mile (1.6 kilometer) typical for average size vehicle
Input voltage:	10.8 - 16.5 Volts DC (13.6 Volts nominal)
Input current:	.75 Amps max.
Microwave source:	Gunn-effect diode
Transmitted power:	25 milliwatts nominal
Radiated power density:	Less than 2 mW/cm <sup>2</sup>
Antenna beam width:	12 degrees nominal
Antenna side lobes:	At least 24 dB below main beam power
FCC type acceptance:	Complies with FCC Part 90
Mixer diode:	Low noise Schottky barrier type, rated for 100 mW
Operating temperature:	-22° to 140° F (-30° to +60° C)
Size:	Height: 8 in. (20 cm) including handle, 4 in. (10 cm) without handle
	Width: 4 in. (10 cm)
	Length: 8 in. (20cm)
Weight:	2 pounds (1 kilogram)
Features:	Transmitter Standby, Range & Volume Controls, Internal Circuit Test, Segment Check, Squelch, RFI & Low Voltage Indication and Optional Data Port

Your MPH Representative is:

For more information or to obtain bidding specifications contact MPH at 1-800-835-0690 (fax: 502-685-6288)



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