



Z-45 Corded Handheld Stationary Traffic Radar

The new Z-45 handheld is the most advanced stationary radar. The radar is fully CE compliant, and is housed in a durable aluminum case.

There are two speed displays, allowing both “track-through-lock” and “fastest vehicle” readings. This second display also confirms the radar’s status any time that the operating mode is changed. The standard Z-45 package also includes the radar, tuning fork, and operator’s manual.

Available in a 12 Volt DC corded version and a battery-powered version.



Features

Benefits

- Advanced patch antenna** *Reduces the weight of the antenna, lower current consumption from battery packs.*
- “Fastest vehicle” mode, long range** *Picks up violators before they see the patrol vehicle.*
- Two-window speed display** *Continue to track speeds after locking them or simultaneously track the closest and fastest targets.*
- Icon-based, voice-confirmed mode change** *Simple and quick to use, day or night.*
- Meets European specifications** *Have confidence in every speed measured.*
- Aluminum case** *Tough, very durable, use under all conditions.*
- Also available in a battery-powered version** *Ask your MPH representative for details.*

Z-45 Corded Handheld Stationary Radar

Description: The Z-45 is a handheld Doppler radar intended for speed measurement purposes. It has an aluminum case giving long life, durability and light weight. Two speed displays allow "track-through-lock" or simultaneous "strongest" and "fastest" target tracking.

Also available in a batter-powered version, with a rechargeable battery permanently mounted in the radar handle.

Specifications:

- ❖ Operating frequency: *24.150 ± 0.100 Gigahertz (K - band)*
- ❖ Target speed range: *11 - 240 kph (optional 7 - 150 mph)*
- ❖ Target speed displays: *two three-digit displays for "track through lock," or "strongest" plus "fastest" vehicles*
- ❖ Speed accuracy: *±2 kph*
- ❖ Range: *1 km typical for average size vehicle*
- ❖ Input voltage: *10.8 - 16.5 Volts DC (13.6 Volts nominal)*
- ❖ Input current: *0.1 Amps max.*
- ❖ Microwave source: *Gunn-effect diode*
- ❖ Transmitted power: *100 milliwatts EIRP maximum*
- ❖ Antenna beam width: *12° horizontal nominal*
- ❖ Antenna side lobes: *At least 20 dB below main beam power level*
- ❖ Type Acceptance: *Complies with ETSI EN 300 440*
- ❖ Mixer diode: *Low-noise Schottky barrier type*
- ❖ Operating temperature: *-30° to +60°C (-22° to +140°F)*
- ❖ Options: *RS-232 computer data port for connecting to a video system, computer, or printer*
- ❖ Dimensions: *Height: 20 cm, overall; 10 cm excluding handle*
Width: 9 cm
Length: 15 cm
- ❖ Weight: *0.9 kg*
- ❖ Controls and Features: *Fastest Vehicle Mode, Range Control, RFI and Low Voltage Alerts, Audio Volume and Squelch Control, Dual-Crystal Internal Test and Segment Check*



MPH Industries, Inc.

**316 E. Ninth Street
Owensboro, KY 42303**

**Phone: (888) 689-9222
Fax: (270) 685-6288**

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.