



Dimensions: 20,0 x 12,0 x 9,0 cm (H x W x D)

viafalconSE

Microprocessor controlled radar detector for speed enforcement (OIML-R 91). The multi target detector has the ability to detect and process up to 30 targets simultaneously. As soon as there is more than one target within the area of detection, the measurement will be rejected to receive only court-proofed measurements. Advanced DSP signal processing algorithms in connection with a narrow-angle antenna provides an accurate speed measurement. Additional features are an internal test signal generator, redundant data processing and secured transmission protocol.

Applications:

- Speed enforcement
- Speed measurement with tight tolerance

Technical specification:

viaFALCON SE

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|---------------------------------|--|
| Sensor type | multi target CW stereo-Doppler radar, planar module |
| Type of detection | Movement |
| Detected direction | uni- or bidirectional |
| Antenna | 5° x 21° Patchantenna |
| Transmit frequency & power | 24.125 GHz / 100mW (EIRP) |
| Detection distance range (cars) | maximum 300 m (0°) / typically 10 m (22°) |
| Detected speed range | 3 - 255 km/h |
| Power supply (nom, min, max) | 12V / 9V - 15V DC |
| Current consumption @ 12V DC | 450 mA |
| Signal outputs | 4 optocouplers |
| Data outputs | Yes |
| Interface (Standard) | RS232 |
| Interface (Optional) | - |
| Data protocol, format | ASCII, 8N1 with CRC 32 checksum |
| Data transmission rate | 9600 Baud or 115200 Baud |
| Operation temperature range | -20° - +60° Celsius |
| Housing (H x W x D) | 200 x 120 x 90 mm |
| Housing protection class | IP 66 |
| Other features | accurate speed measurement, up to 30 targets, internal test signal generator |
| Options | - |