



viafalcon TRACK

Radar detector with data storage · real-time clock · 4 MB flash memory

TECHNICAL FEATURES

24 GHz
Doppler radar

250 m
range

4 MB
data storage

RS 232
data output

IP 66
housing

Description

Radar detector based on the viafalcon SOLAR. In addition to its RS232 interface for speed data output and 3 relays for controlling LED signs, the viafalcon TRACK carries a circuit board for data storage with real-time clock and 4 MB flash memory. A second RS232 interface on the data storage board allows the data to be uploaded quickly in a secured transmission protocol. Collected data is stored exact to the minute; the storage capacity equates to approximately 1.8 million single measurements. Applications: devices where a data storage with time information is needed in addition to speed measurement, speed displays, speed activated variable message signs, intelligent warning signs.

RADAR FEATURES

Sensor type	CW stereo-Doppler radar, planar module
Type of detection	Movement
Detected direction	Uni- or bidirectional (adjustable)
Antenna	12° x 17° patch antenna
Transmit frequency and power	24.165 GHz / 100 mW (EIRP)
Detection distance range (cars)	250 m
Detected speed range	5 - 255 km/h
Measurement cycle	200 ms - 2,5 s, adjustable

ELECTRICAL FEATURES

Power supply (nom / min - max)	12 V / 5.4 V - 30 V DC
Current consumption at 12 V DC	20 mA
Signal outputs	3 relays, 3 LED
Battery discharge protection	For 6 V, 12 V and 24 V

INTERFACES & DATA

Data outputs	Yes, detector and data storage board
Interface (standard)	Detector: RS 232 · data storage board: RS 232
Data protocol, format	ASCII, 8N1
Data transmission rate	Detector: 9600 Baud · data storage board: 115200 Baud
Data storage	4 MB flash memory with real-time clock, exact to the minute, approx. 1.8 million single measurements

MECHANICAL FEATURES

Housing (H x W x D)	125 x 80 x 57 mm
Housing protection class	IP 66
Operating temperature range	-40 °C to +70 °C
Mounting	Ball joint fixture for various posts · fork mounting (accessories)



Detector housing and fork mounting.

