Ride Height Sensor Products

A-DAT

Optima FM Height Sensor

The Optima FM was specifically designed for one of the leading automotive companies. It is a laser based triangulation sensor for height measurement. It is unaffected by sunlight and measures reliably over all surfaces.

Comparative Test
Data on previous page

Technical Data	Optima FM	Features	Optional Accessories
Distance to Ground	343 mm (13.5")	Measurements in full Sun!	Suction cup, mounting hard-ware & tether
Measurement Range	356 mm (14")	5.0 m cable-standard, other lengths available upon request	± 15 V Power Supplies for 2, 4 or 8 channels
Bandwidth	Up to 2 KHz	Current or CAN output available upon request	Dual Suction Cup assemblies also available
Operating Voltage	± 15V < 100 mA	Digital Averaging Filter, Bessel or Butterworth	
Output Voltage	± 10V (Standard Analog)	Easy to install	
Light Source	Class 3A Laser < 5 mW (600nm)	Easy to Use	
Photo Detector	CCD linear image sensor	Infrared Lasers available upon request	
Resolution	0.025%	**Applications**	
Reproducibility	± 0.025%	Vehicle Height	
Size	60 x 140 x 30 mm (2.36 x 5.51 x 1.18")	Roll Angle	
Weight	391g (0.86 lbs)	Road Profile	
Protection Class	IP65	Dynamic Toe and Camber Measurement	

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