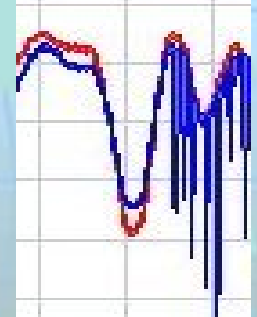


OPTIMA Micro



OPTIMA ride height sensors are laser based triangulation sensors. A unique sunlight blocking filter and advanced sensor technology make this the sensor of choice for precision tests. OPTIMA sensors work flawlessly under automotive test conditions, where many other sensors fail. The picture on the right side shows a failing sensor under sunlight (blue) and an OPTIMA sensor (red). Output signal: voltage, current, or CAN message.

Technical data and order information: sensor and 3m connection cable

Model / range (mm)	Micro80	80	Micro200	200	Micro400	400
Distance to ground (mm)	70		150		300	
Resolution (mm)	0.12		0.25		0.5	
Linearity	< 0.8% FSO					
Reproducibility	<0.2% FSO					
Bandwidth	1 kHz					
Accuracy	0.25%					
Filter	Digital averaging type					
Measurement frequency	1 kHz					
Light source / spot diameter	Laser diode / 0.05.....5 mm					
Wavelength	660-780 nm					
Laser safety class	2 / 3a / 3b					
Photo detector	CCD linear image sensor					
Supply voltage	10-30V					
Output signal	0-5V / 0-20 mA / 4-20 mA / CAN message					
Operating temperature	-20 °C ... +50 °C (no condensation)					
Dimension / weight	65 x 50 x 20 mm < 95 grams					
Protection class	IP 65					