

Flex-Sense©Portable Road Sensor

MANUFACTURER AND VENDOR INFORMATION			
Effective Date:		December 1, 2002	
Manufacturer Name:		Sales Representative Name (s):	
Optical Sensors and Switches		Jonathan Lang	
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PRODUCT NAME/MODEL NUMBER: Flex-Sense©Portable Road Sensor, available is one, two and three lane configurations. All with integral 17 foot off-road leads.

FIRMWARE VERSION/CHIP NO.: N/A

SOFTWARE VERSION NO.: N/A

GENERAL DESCRIPTION OF EQUIPMENT: Fiber-optic portable road sensor 2.5 mm (0.1") X 38 mm (1.5") in width by 6 ft(one lane) , 21 feet(two lane) or 32 feet(three lane) in length.

SENSOR TECHNOLOGY AND CONFIGURATION: Fiberoptic sensor technology. When a wheel load is applied to the sensor, a small amount of light escapes from sensor fiber, causing the light level at the sensor output to decrease. The amount of the light is compared to a factory set reference by the optical interface for producing an output signal. The resultant signal can be used with a standard classifier to determine vehicle speed and classification.

SENSOR INSTALLATION: FlexSense© sensors are made for easy and uncomplicated installation. Total installation time on road is less than 30 seconds for the two lane sensor.

- Sensors are inserted into OSS pocket tape which has a plastic insert to facilitate easy removal after use.
- The liner of the pocket tape is removed and the sensor positioned over the road.
- The sensor/pocket tape is placed on the road surface and pressed down while walking back to the side of the road.
- Sensor leads are attached to the interface box and system is ready to use.

INSTALLATION TIME (Per Lane): Ten minutes off road and 30 seconds on road for two lane sensor.

INSTALLATION REQUIREMENTS:

MAXIMUM NUMBER OF LANES MONITORED SIMULTANEOUSLY: Three

PRODUCT CAPABILITIES/FUNCTIONS: Traffic counts and speed of vehicle.

RECOMMENDED APPLICATIONS: Short term traffic data collection, axle counts, classification, and speed.

POWER REQUIREMENTS (watts/amps): N/A

POWER OPTIONS: N/A

CLASSIFICATION ALGORITHMS: N/A

TELEMETRY: N/A

COMPUTER REQUIREMENTS: N/A

DATA OUTPUT: N/A

DATA OUTPUT FORMATS: N/A

SUPPORTING DATA BASE MANAGEMENT SYSTEM:

EQUIPMENT AND INSTALLATION COSTS (One-lane and four-lane): N/A

STATES CURRENTLY USING THIS EQUIPMENT:

Country/State	Contact Name	Telephone Number
USA/Michigan DOT	Bob Brenner	517-322-1716
USA/Iowa DOT	Don Miller	515-239-1046
USA/Arizona DOT	Mark Katchpalle	602-712-8596
USA/Idaho DOT	Brian Hagan	208-334-8250
USA/Tennessee DOT	Ray Barton	615-350-4575
USA/Maryland DOT	Barry Balzanna	410-545-5509
USA/Alabama DOT	Charles Turney	334-242-6393
USA/Wyoming DOT	Bill Gribble	307-777-4433