

SIGNAL CONDITIONERS

Opsens Solutions readout units are compatible with all WLPI sensors. Through the same interface, the unit can provide temperature, pressure, strain, position, or displacement measurements to offer maximum versatility.



MODULAR PLATFORM

Highly versatile, the CoreSens supports a broad range of fiber optic sensors and offers measurement sampling rate up to 1,000 Hz.



OEM CARD

OEM-type signal conditioner that offers a product designed for specific automotive needs. Its compact size and modular assembly give OEM's the best in design flexibility.



HANDHELD UNIT

Ruggedized to provide good mechanical protection against intensive handling in tough environments. These devices are compact and offer maximum portability with battery powered function.

OUTSTANDING FIBER OPTIC SENSING SOLUTIONS FOR THE AUTOMOTIVE INDUSTRY

KEY FEATURES

- Intrinsically safe
- Highly reliable
- Immunity to EMI and RFI
- Miniature and lightweight
- Versatile and easy to package in automotive components

FIBER OPTIC SENSING SOLUTIONS SMART SENSORS FOR A SMARTER MOBILITY



Opsens Solutions Inc. reserves the right to make any changes to the above specifications without prior notice.
IMP0217 En Automotive Brochure_Rev1.1 | Printed in Canada



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opSens Solutions

Enlightenment through smart measurements

ADVANCED
AND RELIABLE SENSORS
FOR THE AUTOMOTIVE INDUSTRY

FIELD PROVEN RUGGEDNESS
IMMUNE TO EM FIELDS
INTRINSICALLY SAFE
FULLY DIELECTRIC
MINIATURE

●●● TEMPERATURE MONITORING

- Probe head could be made of any alloy, ceramic, or inert material
- Temperature range of -200 to 350 Celsius
- Safe instrumentation, especially with high voltage devices



●●● HYDROGEN DETECTION

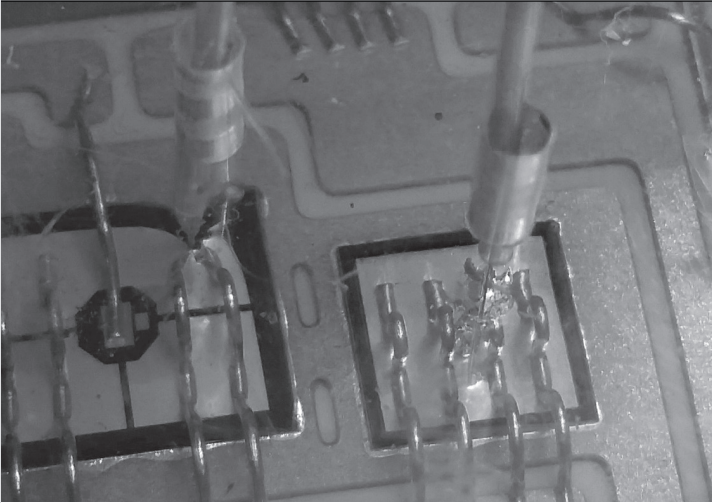
- Ultra-small size sensor with 2.5 mm OD
- Reaction time of a few milliseconds
- Can detect very small concentration of hydrogen

- » Hydrogen detection
- » Instrumented bolt
- » Displacement
- » Temperature
- » Pressure
- » Torque
- » Strain
- » Force
- » Load



●●● BATTERY TESTING

- Non-invasive sensors - OD as small as 220 microns
- For surface and internal temperature measurement
- Measuring temperature up to 350 Celsius



●●● POWER ELECTRONICS
AND DRIVES

- Miniature size (OD could be as small as 0.15 mm)
- Response time could be in tenths of a second
- Permanent monitoring or one-time test