

OptoWire™

2nd Generation Fiber Optic Pressure Guidewire



Your Pressure Guidewire to **DIAGNOSE** and **TREAT** with Confidence.

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TIME SAVING
Efficient



COST EFFECTIVE
1-wire PCI



PEACE OF MIND
Confidence in Diagnostic



**PERFORMANCE
CHOICE
ACCURACY**

¹ Date on file. Opsens Inc.
² van't Veer, M. et al. J Am Coll Cardiol. 2017;70(25):3088-96
³ N.Curzen. Comet Study. PCR 2017. Study presentation.
⁴ R. Tateishi. Comparison of accuracy of fractional flow reserve using optical sensor wire to conventional pressure wire. ESC 2018. Abstract presentation.



PERFORMANCE

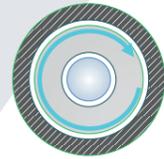
Unique support, torque response and guidewire control for vessel access



Traditional FFR wire

Piezo electric technology

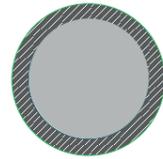
- Electrical cables
- Eccentric design



OPSeis OptoWire

2nd gen Fiber optic technology

- Large nitinol core
- Concentric design
- Large free floating nitinol core
- Excellent torque transmission and minimum whipping
- Rotation independent from the wire coil



Workhorse wire

Workhorse technology

- Large core
- Concentric design

Lower Tip Load ¹

Atraumatic tip and excellent shape retention provide confidence when approaching tortuous vessel in complex lesions

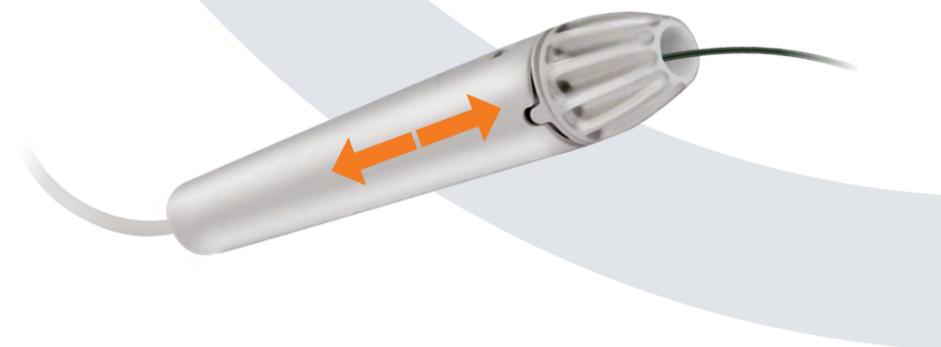


FREEDOM

Take full control of your wire and reconnect with confidence

DISCONNECT/RECONNECT in complex cases without the need to re-equalize

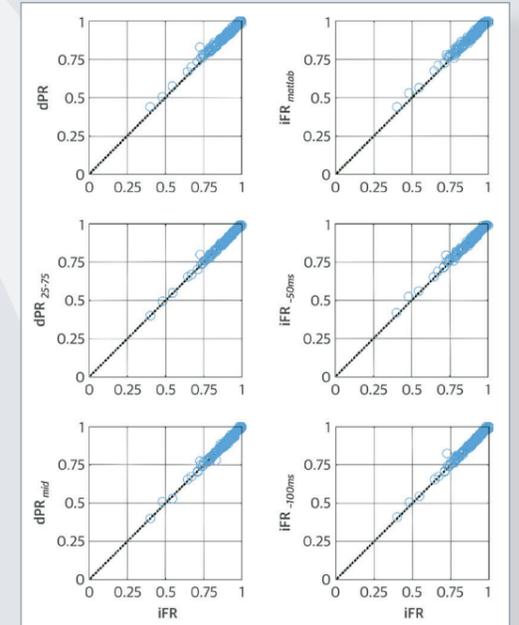
- DISCONNECT for delivery of stents and balloons without exchange
- RECONNECT for physiology assessment in additional segments or arteries
- RECONNECT for post-PCI physiology indices measurement



CHOICE

Assess physiology with hyperemic or resting indices

- dPR indices are **equivalent to iFR** both numerically and in terms of diagnostic value ²
- dPR indices have the **same 0.89 cut off value as iFR** ²
- dPR indices have the **same agreement with FFR** as the reference standard ²
- dPR indices are **as accurate to iFR** as two iFR measurements are to each other ²



van't Veer, M. et al. J Am Coll Cardiol. 2017;70(25):3088-96



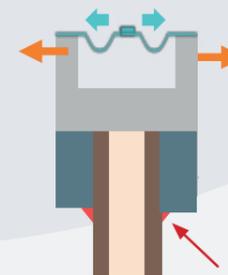
ACCURACY

2nd generation fiber optic sensor designed to provide the lowest drift in the industry

Diaphragm movement caused by mechanical stress can be interpreted as pressure changes (drift)

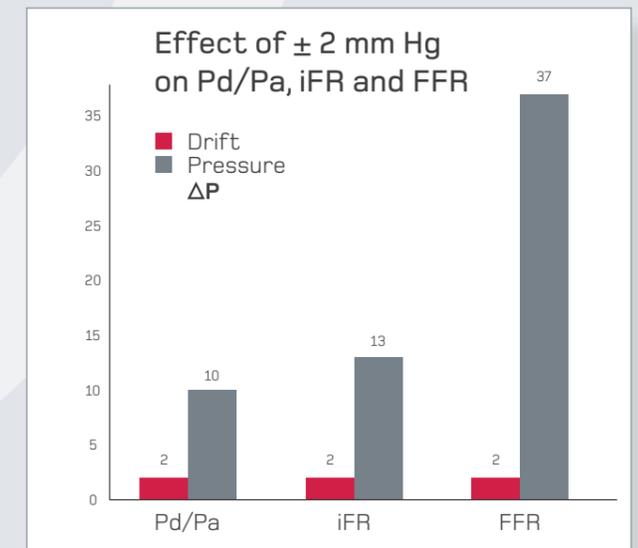
2nd gen OptoWire sensor

- >33% drift reported with piezoelectric pressure guidewire ^{3,4}
- Unique design to reduce temperature effect and improve pressure sensitivity
- 57% drift reduction (p<0.001) with 2nd gen fiber optic pressure guidewire vs. piezoelectric guidewire ⁴



Minimal adhesive usage

Resting gradients are even more sensitive to drift than FFR



N=447 Cook CM, et al. Circ Cardiovasc Interv 2016