



PUSH

FIRST AFFORDABLE BIKE PEDAL POWER METER

+ WHAT IS PUSH?

First bike pedal power meter under \$100!

The PUSH bike pedal features embedded power metering electronics. It measures the power applied on the pedal and the pedaling cadence, and then combines these to deliver your power output in real time. It's accurate (within 8%) and reliable.

PUSH knows the difference between a real pedal stroke and another movement and it only meters the former! A single PUSH pedal provides reliable power metrics and it works perfectly either way up.

+ APPLICATIONS

- PUSH opens up multiple cycling improvement monitoring options including performance, pedal stroke efficiency and technique
- It measures calories burnt for health and fitness surveillance
- It contributes to virtual coaching and enhanced training efficiency
- It enables enhanced e-bike battery management

+ WHAT'S NEW?

- First cycling power metering technology under \$100
- Robustness and reliability : 4-5 year average battery life
- First easy-to-install solution
- No calibration required
- Fits all: indoor/outdoor and e-bikes
- Delivers direct power metrics
- Push's low power electronics ensure 6,500 miles autonomy

+ WHAT'S INSIDE?

- The PUSH pedal integrates sensors. Its instrumentation conceals **embedded signal processing algorithms** to deliver 8% accurate power estimation
- The integrated ANT RF module can be connected to a Smartphone
- Power meter updated every 4 seconds via ANT protocol
- Patented technology

+ WHAT'S NEXT?

PUSH has been developed in close cooperation with the sports industry and is now ready to be introduced onto the market.

By fusing different sensor modalities, improving wireless communications and system autonomy, Leti researchers continue to pioneer affordable innovative smart systems that serve the global sports market, from elite athletes to weekend warriors.



INTERESTED IN THIS TECHNOLOGY?

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