



WORLD  
PRECISION  
INSTRUMENTS

# NEW OPTICAL PRODUCT

World Precision Instruments (WPI) is proud to announce the release of the next generation of optical pH detection system, pH-LUX.

## pH-LUX Optical pH Sensor System

The pH-LUX Optical Sensor System is optimal for measuring pH in the physiological range [5.5-8.5].

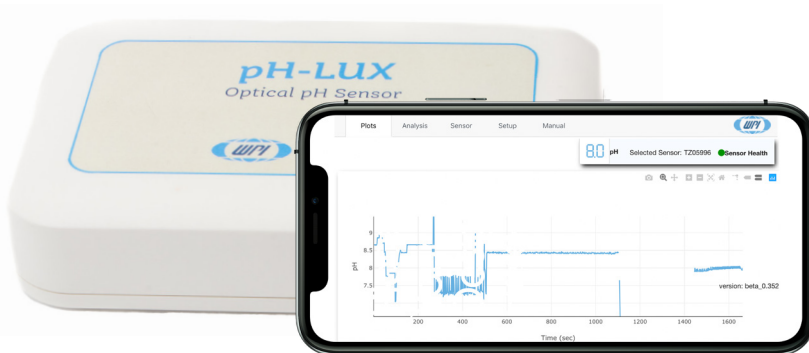
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### FEATURES

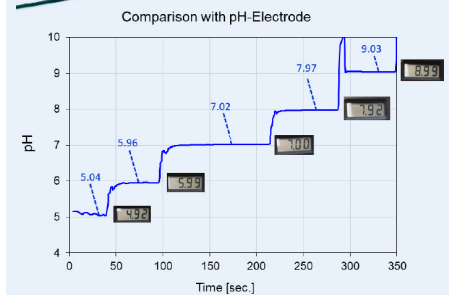
- Fast response time
- Superior dynamic range when compared to existing optical pH detection systems
- Exceptional low drift optical sensor
- Macro and micro tip sizes available upon request
- Electromagnetic interference (EMI) immune
- Ethernet connectivity and optional Web-based interface for remote monitoring

### BENEFITS

- Transient changes to pH precisely recorded
- Lower out of pocket costs for an entry level optical pH sensor system
- Use your PC, mobile phone or tablet for data collection
- Small footprint and micro sensing tips to profile pH in hard to reach spaces
- No electrical current at the sensor heads, making the pH-LUX system ideal for neural measurements



### WPI Optical pH Sensor vs. pH Electrode



Measurement Results  
Response time pH electrode: ~7 s  
Response Time WPI's BIOpH sensor: ~8 s

