

Complete Solutions for Difficult Sulfuric Acid Concentration Measurements

Technology for Your Most Challenging Conditions

Measuring sulfuric acid concentration across the full range of applications, including oleum, presents unique challenges, from highly corrosive environments to complex process conditions. Emerson offers two advanced technologies, including a non-intrusive solution and a refractometer, designed to deliver highly accurate, drift-free measurements even in the most difficult applications.

Emerson's Range of Technologies for Your Toughest Sulfuric Acid Applications

PIOX R

- Measures sulfuric acid concentration across the ranges 0-80% and 100+% oleum
- PTFE Carbon Fiber
- 0.1w% Uncertainty
- Maintenance Diagnostics
- FM Class I Div. 1



Flexim™ PIOX® R721 Transmitter for Process Refractometers in Hazardous Zones

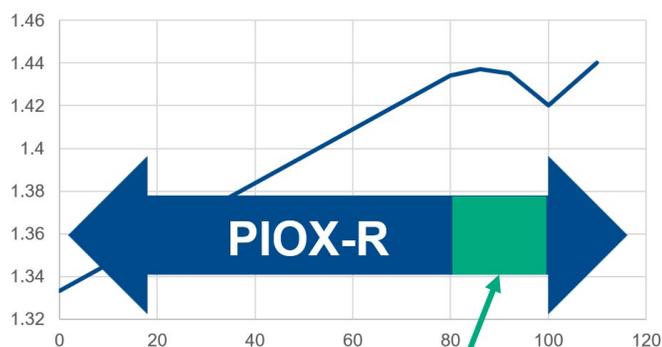
PIOX S

- Measures sulfuric acid concentration across the 80–100% range
- Safer external measurement technology
- 0.1w% Uncertainty
- No calibration or maintenance
- FM Class I Div. 1



Flexim PIOX S831 - Non-intrusive Ultrasonic Analyzer for Liquids in Hazardous Zones

Refractive Index of H₂SO₄



Whether you're working with concentrated acid or oleum, our experts collaborate with you to identify the best-fit solution for your process, ensuring reliable performance without compromising safety or efficiency.

Interested in these technologies?
Schedule a **lunch and learn** with your local sales representative to learn more.