

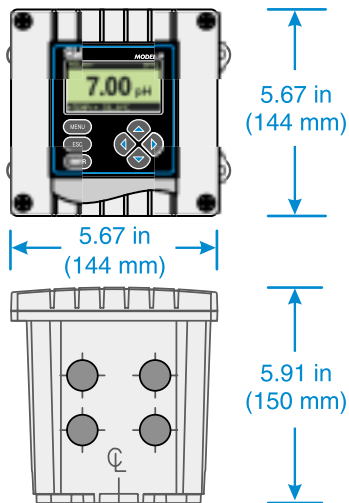


P53 pH Analyzer and Differential Sensor

pH Power Simplified

Designed for the cost-conscious user, the versatile P53 accepts many different types of pH sensors including GLI Differential Sensors, conventional combination electrodes, or electrode pairs. Full-featured and easy to use, this analyzer displays the measured pH, process temperature, both analog output values, and the status of up to four relays on its large backlit graphic LCD. The P53 also offers multiple language operation, an RS-232 output, and optional HART® communication capability. Menu screens guide the user through setup, calibration and operation. The P53 is housed in a rugged epoxy-coated metal NEMA 4X 1/2 DIN enclosure, suitable for panel, surface, or pipe mounting.

GLI Differential Sensor Technology offers unparalleled accuracy and reliability. Completely encapsulated electronics eliminate moisture problems, and the Liquid Crystal Polymer (LCP) body provides excellent chemical resistance. The double-junction reference resists contamination and ensures measurement stability.



P53 Analyzer

- pH/ORP measurement capability
- Multiple outputs and relays
- Menu-guided operation
- Simple interactive diagnostics
- Multiple language capability

Specification Highlights

Display: Backlit dot matrix LCD

Measuring Ranges:

pH: -2.00 to 14.00

ORP: -2100 to +2100 mV

Temperature:

-20 to 200°C (-4 to 392°F)

Relays: Electromechanical

Standard: Two SPDT

Optional: Two additional SPDT

Analog Outputs:

Two isolated 0/4–20 mA

Temperature Compensation:

Auto/Manual, -10 to 110°C

(14 to 230° F)

Power: 90–130 or 180–260 VAC,
50–60 Hz.

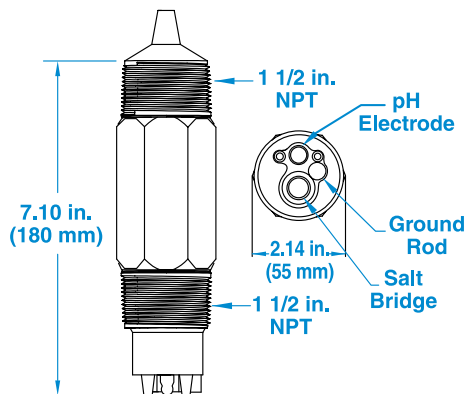
Communications:

RS-232

Optional HART® Protocol

Enclosure: 1/2 DIN, NEMA 4X
(IP65) with hardware for surface,
panel, or pipe mounting

Weight: ~3.5 lbs., (1.6 kg)



LCP Differential pH Sensor

- Accurate differential measurement technique
- Encapsulated electronics
- Universal mounting
- Chemical resistant LCP body
- 3000 ft. (914 m) transmission distance

Specification Highlights

Temperature:

-5 to 95°C (23 to 203°F)

Max. Pressure: 100 psig

Measuring Range: 0–14 pH

Sensitivity: < 0.005 pH

Wetted Materials:

LCP body, PVDF junction, Viton O-rings, glass electrode, and titanium ground rod

Weight: ~1.3 lbs. (0.6 kg)

Ordering Information

P53 Analyzer:
P53A2A1N

LCP Differential pH Sensor:
6028P0

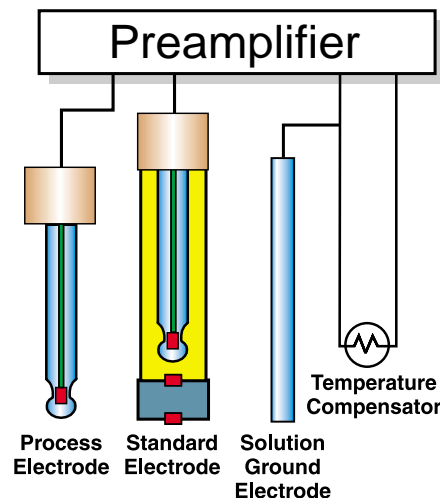
For a specific application, special mounting configurations, or for additional ordering information, please contact GLI International, Inc.

GLI Differential Sensor Technology

The unique GLI Differential Sensor Technology offers many advantages over conventional sensor technology. It uses three measuring electrodes instead of the two contained in conventional pH sensors. The process electrode and standard electrode measure the pH differentially with respect to a third ground electrode.

This technique is proven to provide unsurpassed accuracy, reduce reference junction fouling, and virtually eliminate ground loops. The benefit is greater reliability with less downtime and maintenance.

The Differential Sensor, with its built-in preamplifier, boosts the high impedance mV signals of the electrodes, providing a strong signal which can be transmitted up to 3000 feet.



Differential Sensor Warranty

GLI offers the best sensor warranty in the industry. We will replace **free** any GLI Differential Sensor that fails due to defects in materials or workmanship, within one year from the date of shipment. If the sensor fails for any reason, including physical damage, within 30 months, GLI will provide a replacement at a prorated price. Consult the factory for complete details.