



50 Laboratory

The KECO 50-LAB Analyzer delivers precise, real-time H₂S measurements in gases with PPB-level accuracy. Its ASTM-approved tape method ensures zero false positives, minimal maintenance, and automatic zeroing—ideal for lab environments demanding reliability and specificity.

Applications

- Landfills
- Biogas
- Oil Field Operations
- Laboratories



Benefits

- Wide Measurement Range
- No Field Calibration Needed
- High Accuracy: $\pm 2\%$ full scale
- Low Maintenance
- Easy Integration

Operational Impact

- Optimized treatment efficiency
- Reduced chemical costs
- Enhanced safety
- Improved compliance
- Cost-effective operation



Specifications

DISPLAY

- Alpha Numeric LCD
- 128 x 64 pixel

TEMPERATURE RANGES

- 5°C to 50°C (operating)
- 0°C to 70°C (storage)

ANALOG

- Isolated 4-20mA

ANALYTICAL PERFORMANCE

- Resolution: 1 ppb
- Accuracy: $\pm 2\%$
- Repeatability: $\pm 1\%$
- Linearity: $\pm 1\%$
- Drift: Nil
- Temp. Coefficient: 0.01% / °C
- Analysis Time: 0.75 Second

DETECTION RANGES

- 0-1 ppm
- 0-50 ppm
- 0-500 ppm
- Other ranges available (contact factory)

BATTERY PACK (OPTIONAL)

- Operate ~8 to 16 hours, fully charged

WEIGHT

- Approx. 10 lbs; 4.5 kg

DIMENSIONS

- 10" X 12" X 6"

POWER OPTIONS ≥ 5 Watts

- 110VAC, 60 Hz
- 220VAC, 50 Hz
- 12VDC
- 24VDC

MAXIMUM PRESSURE

- 100 psig
- Greater with pressure regulator installed

AVAILABLE OPTIONS

- RS-232/485 Modbus protocol
- Internal Sample Pump
- Data Logger for data download to PC
- Remote monitoring/control with PC
- Sample Cylinder for high pressure samples

KECO provides design and application engineering assistance for the User's analyzer requirements. For a quotation, please complete Analyzer Quote Request Form at kecosystems.com/quote

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