



Applications

- Alkylation Processes
- Sulfurs in Ammonia
- Reformers
- Sales Gas
- Sulfur in Synthesis Gas
- Landfills
- Chemical Plants
- Food & Beverage Plants
- Refineries
- Liquid Petroleum Gas (LPG)
- Liquid Natural Gas (LNG)
- Environmental Monitoring



Model 600 & 700

The Series 600 & 700 analyzers deliver precise, real-time sulfur analysis for gas, LPG, and LNG applications. Designed for minimal maintenance and featuring no false positives, these units offer high reliability, with automatic calibration and remote monitoring options. The Series 700 is explosion-proof, ideal for hazardous areas, while the Series 600 is a versatile, general-purpose solution.

Benefits

- No false positives
- ASTM-compliant for high precision
- Explosion-proof (Series 700) or general-purpose (Series 600)
- Auto self-zero
- Ultra low maintenance, long-lasting stability



Operational Impact

- Optimizes sulfur measurement for better control
- Minimizes sulfur data inaccuracies and disruptions
- Works in both hazardous and general areas
- Reduces recalibration needs, boosting uptime
- Lower maintenance costs



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Model 600 & 700



Specifications

DISPLAY

- Alpha Numeric LCD
- 128 x 64 pixel
- Back-lit display (optional)
- LCD Graph Display w/ month of data (optional)

TEMPERATURE RANGES

- neg. -10°C to 50°C (operating)
- 0°C to 70°C (storage)

ANALOG

- 4-20mA Isolated

ANALYTICAL PERFORMANCE

- Resolution: 10-50 ppb
- Accuracy: ±2%
- Repeatability: ±1%
- Linearity: ±1%
- Drift: Nil
- Temp. Coefficient: 0.01% / °C
- Analysis time: 0.75 Second (initial response)

DETECTION RANGES

- 0-1 ppm by wt.
- 0-10 ppm by wt.
- 0-50 ppm by wt.
- 0-100 ppm by wt.
- 0-500 ppm by wt.
- Customer specified (contact factory)

SAMPLING SYSTEM (STANDARD)

- Sample Pressure Regulator
- Sample Flow Meter
- Secondary particulate filter
- Fast sweep (fast loop) needle valve

ENCLOSURE (CABINET)

- High-impact, industrial strength berglass
- NEMA 4X / IP 65 options
- Other options available

WEIGHT/DIMENSIONS

- ~200 lbs. w/o options (Series 700)
- ~100 lbs. w/o options (Series 600)
- 30" W X 50" H X 12" D (Series 700)
- 36" W X 36" H X 12" D (Series 600)

UTILITIES/SETTINGS

- 110VAC or 220VAC
- 120VAC 10A or 240VAC 5A (700 Series)
- ~1 KWatt
- Hydrogen: 100 ml/min
- Sample flow: 0.3 SCFH
- Sample pressure: 10 psig constant
- Calibration gas: H₂S ~25% of scale balance N₂, 2L per cal

AREA CLASSIFICATIONS

- Class 1 Division 2 (Series 700)
- Zone 2 (Series 700)
- General purpose/ non-explosion proof (Series 600)

AVAILABLE OPTIONS

- Concentration relay alarms
- Diagnostic/fault relay alarms
- Low flow relay alarms
- RS-232/485 Modbus
- Data Logger for data download to PC
- Remote monitoring/control with PC
- Automatic calibration
- H₂S Scrubber (for vent)
- Fugitive Emission Control Unit (for vent)
- Sample Probe
- Sampling System for gas contaminated with liquids
- Sampling System for LNG/LPG (Vaporizing Regulator)

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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