

KU-7R Komyo 24VDC LCD Gas Detector Alarm Unit Datasheet



SKU: [991847435131](#)

Category: Safety & PPE

Price: **\$1,071.43**

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Product Page: <https://www.equipspares.com/product/ku-7r-komyo-24vdc-lcd-gas-detector-alarm-unit>

Product Description

The Komyo KU-7R is a high-performance, panel-mounted gas detector alarm unit designed for continuous monitoring of combustible, toxic, and oxygen-related hazards. This modular CPU-controlled system features a dual-display interface consisting of a 51-segment LCD bar meter and a 4-digit digital readout for precise real-time concentration tracking. Engineered for industrial reliability, it incorporates advanced signal processing including zero-suppression to eliminate baseline drift, a peak-hold function for capturing maximum exposure levels, and a 2-step user-configurable alarm system with 15 adjustable levels. The unit provides a standard DC4-20mA analog output for seamless integration into PLC or SCADA systems and supports a wide range of detection principles including catalytic combustion, NDIR, and galvanic cell technologies.

KU-7R Specifications

Model: KU-7R

Brand: Komyo Rikagaku Kogyo K.K. (Kitagawa)

Product Category: Fixed Type Gas Alarm System / Indicator Unit

Input Voltage: 24VDC \pm 10%

Power Consumption: Approx. 3.5VA

Display Type: 51-segment LCD Bar Meter and 4-digit LCD Digital Meter

Measuring Range: 0-100%LEL (Combustible), 0-25vol% (O₂), 0-2000ppm (Toxic)

Detection Principles Supported: Catalytic Combustion, Heat Wire Semiconductor, NDIR, Chronoamperometry, Galvanic Cell

Alarm Accuracy: Within $\pm 25\%$ of alarm set point

Alarm Setting: 2-step adjustable (15 levels), upper or lower limit

Alarm Method: Flashing Red LED, LCD flashing, Intermittent buzzer

Analog Output: DC4-20mA (Load resistance 300 Ω or less)

Alarm Contact Output: Non-voltage 1a or 1b (Capacity 250VAC 2A / 30VDC 2A)

Operating Temperature: -10 to 40°C

Operating Humidity: 10 to 90% RH (Non-condensing)

Dimensions: 36(W) x 144(H) x 176(D) mm

Weight: Approx. 0.8kg

Mounting Type: Panel-mount (Built-in)

Functions: Zero adjustment, Span adjustment, Peak-hold, Zero suppression, Error code display

KU-7R Applications

Continuous atmospheric monitoring in marine engine rooms, offshore oil and gas platforms, petrochemical refineries, and industrial chemical processing plants. Mandatory safety integration for multi-point gas detection panels in confined workspaces, wastewater treatment facilities, and semiconductor manufacturing cleanrooms.

Supplemental Images

