

Featuring new intelligent sensors! Global standard model!
New Gas Detectors with Signal Converters
"SD-3 Series" launched
For plant safety and disaster prevention management

Riken Keiki Co., Ltd. (Head office: Itabashi-ku, Tokyo) is pleased to announce the development of the SD-3 Series New Gas Detectors with Signal Converters.

The growing size and sophistication of petrochemical plants and other plant facilities have created growing demand for high-performance multi-function gas detectors. As a pioneer in industrial gas monitoring systems, Riken Keiki has developed the SD-3 Series New Gas Detectors with Signal Converters as a global standard with a lineup of explosion-proof products certified in different countries and meeting various international standards, including EN performance and SIL 2 certification.

The SD-3 Series products are fixed explosion-proof gas detectors capable of continuously monitoring for combustible gases, toxic gases, and oxygen in the surrounding atmosphere. These detectors detect gas leaks and activate an alarm if preset concentrations are exceeded. The detected gas concentration is converted and output in the form of a 4 - 20 mA analog output and digital HART output signal. Other output options include Modbus (RS-485) communication and the use of three relays.

The rugged housing construction (housing material: stainless steel, protection rating equivalent to IP66/67) allows use across a wide temperature range of -40 to +70 °C (differs depending on sensor specifications). A range of different mounting types (e.g., wall, pole, and duct mounted) support a variety of uses and installation environments.



The SD-3 Series products also incorporate the newly developed "F Sensor" series of sensors. These high-performance intelligent sensors offer dramatically improved performance over previous sensors, with a sensor degradation and life assessment function and a three-year warranty.

[Major applications]

Oil refineries, petrochemical basic product plants, common ducts, service tunnels, power stations, vessels, offshore facilities, etc.

[List price (excluding tax)] From JPY360,000 (varies according to type)

[Release date] September 15, 2020

[Scheduled shipping start date] November 15, 2020

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