



Dräger PSD 3000

Järjestelmäätuki

The Dräger PSD 3000 is a sampling unit for continuous sampling of gas and air mixtures. Combined with Dräger Gas Detectors, the Dräger PSD 3000 serves as a sampling system for gas monitoring purposes. The internal vibrating diaphragm pump has a superior life expectancy, due to the lack of rotating parts.

Kohkohdat

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The PSD 3000 can be used for most industrial gases. An electronic circuit monitors the flow rate internally and advises if the flow rate in the input line falls below a predefined minimum threshold. The device offers a flexible programmable messaging of the low-flow signal to the control system.

Fast and easy installation

The sampling unit can be placed either before or behind a gas transmitter depending on application requirements. Two instant tube fittings allow a fast and easy connection of stiff sample lines without tools or manual force. Electrically the sampling unit is installed between the gas transmitter and the central control system. There are cable glands and terminals provided for the respective connections. The 4 to 20 mA signal from the transmitter as well as a separate 24 V wire can be passed through the sampling unit.

Operation

A multicoloured LED indicates the operational status of the device. The LED indicates conditions such as normal operation, a blocked sampling line or a broken supply voltage connection. The flow rate of the sampling line can be adjusted internally to adapt to special needs in certain circumstances. A dust filter protects the sampling pump from dust and aerosols.

Low-flow monitor

The PSD 3000 generates a signal in case the flow in the inlet line drops below a predefined value. This signal can alternatively be transmitted via the 4 to 20 mA line to the control system or by a separate switching contact. The latter option is useful if a digital communication between the transmitter and the controller should be maintained during a low-flow condition. In addition the operation LED indicates with a red colour that the lowflow condition has been triggered.

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Ota yhteyttä

Juurakkotie 3, 01510 Vantaa
Tel: +358 207 119 600

Corporate Headquarters

Drägerwerk AG & Co. KGaA

Moislinger Allee 53-55
23558 Lübeck
Germany

