

Rosemount™ 105P

Liquid Analysis Standard Panel



Product documents can be located by selecting the search tool magnifier icon at the top of www.emerson.com and then select the "Serial Number" lookup button in the pop-up menu.

For Additional Product Information:

Please scan the QR code on this document for your local language safety messages.
Escaneie o código QR acima para obter as mensagens de segurança no idioma local.
Bitte scannen Sie den QR-Code oben nach den Sicherheitshinweisen Ihrer Landessprache.

Veuillez scanner le code QR ci-dessus pour obtenir vos messages de sécurité en langue locale.

Lea el código QR anterior para ver sus mensajes de seguridad en el idioma local.

Eseguire la scansione del codice QR sopra indicato per i messaggi di sicurezza nella lingua locale.

Отсканируйте QR-код выше, чтобы получить сообщения о безопасности на местном языке.

请扫描上面的QR代码以了解您的本地语言安全消息。

上記のQRコードをスキャンして、地域の言語の安全性に関するメッセージを確認してください。

현지 언어 안전 메시지를 보려면 위의 QR 코드를 스캔하세요

 WARNING

The system is not suitable for use in hazardous areas.

Physical access

Unauthorized personnel may potentially cause significant damage to and/or misconfiguration of end users' equipment. This could be intentional or unintentional and needs to be protected against.

Physical security is an important part of any security program and fundamental in protecting your system. Restrict physical access by unauthorized personnel to protect end users' assets. This is true for all systems used within the facility.

1 Specifications

1.1 General panel specifications

Characteristic	Specification
Sample requirements	Pressure Temperature Flow rate 3 to 65 psig (0.2 to 4.5 barg) 32 to 122 °F (0 to 50 °C) 3 to 80 gallons/hour (11 to 303 liters/hour)
Process connection	¼ in. (6 mm) outer dimension (OD) tube compression fitting
Process connection alternate	Barbed fitting for soft tubing as replacement
Sensor mounting	¾ in. or 1 in. NPT
Drain connection	¾ in. (19 mm) OD tube compression fitting
Weight	Panel only Panel with 2 flow cells Rosemount 1058 analyzer 5.1 lb. (2.3 kg) 6 lb. (2.72 kg) 3.42 lb. (1.55 kg)
Wetted Parts	• Acrylic • Polycarbonate, • Polyester • Nylon • Silicone • Kynar

1.2 Rosemount 1056 Transmitter specifications

For 1056 Transmitter specifications, see the *Rosemount 1056 Transmitter Product Data Sheet* on [Emerson.com](https://www.emerson.com).

1.3 Rosemount 1058 Transmitter specifications

For 1058 Transmitter specifications, see the *Rosemount 1058 Transmitter Product Data Sheet* on [Emerson.com](https://www.emerson.com).

2 Installation

2.1 Unpack and inspect

Procedure

1. Inspect the shipping container(s). If there is damage, contact the shipper immediately for instructions.
2. If there is no apparent damage, unpack the container(s).
3. Ensure that all items shown on the packing list are present. If items are missing, notify Emerson immediately.

2.2 General installation information

1. Although the system is suitable for outdoor use, do not install it in direct sunlight or areas of extreme temperature.
2. To keep the transmitter enclosure watertight, install plugs (provided) in the unused conduit openings.
3. Install the system in areas where vibrations and electromagnetic and radio frequency interference are minimized or absent.
4. Be sure there is easy access to the transmitter and sensor(s).

2.3 Mounting and connecting inlet and drain

The Rosemount 105P Liquid Analysis Standard Panel is intended for wall mounting only.

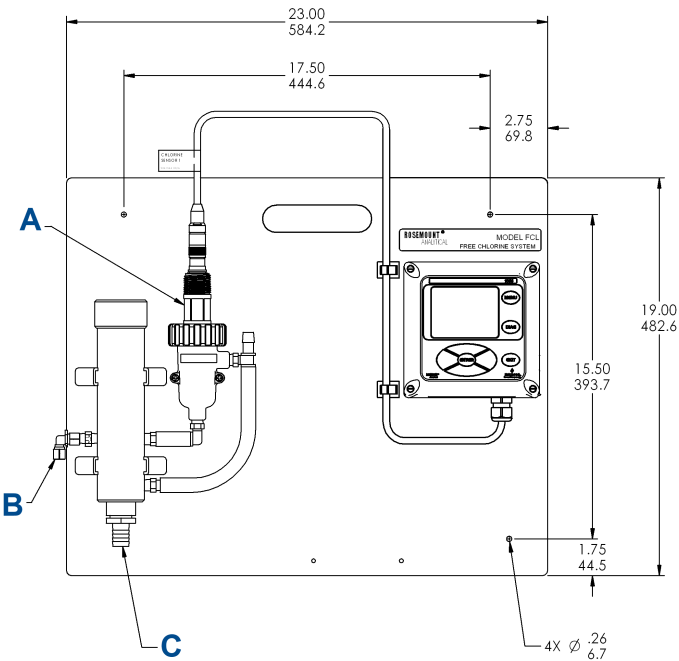
The sensor(s) screw into the flow cell adapters as shown in [Figure 2-1](#) and [Figure 2-2](#).

Note

Customers should check the wetted parts of the 105P and sensors against their process composition.

Figure 2-1: One Sensor Panel

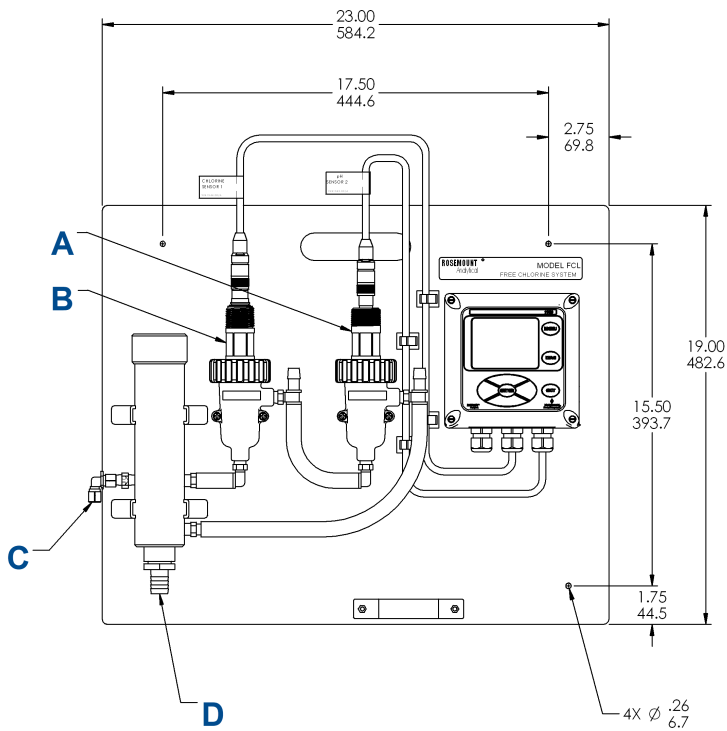
Dimensions are in inches (millimeters).



- A. Chlorine sensor
- B. Inlet
- C. Drain

Figure 2-2: Two Sensor Panel

Dimensions are in inches (millimeters).



- A. pH sensor
- B. Chlorine sensor
- C. Inlet
- D. Drain

To install sensors, refer to the specific sensor Quick Start Guide on [Emerson.com](https://www.emerson.com).

2.4 Spare parts

2.4.1

Part number	Part
0105P-4001-0001	Individual sensor mount for panel
0105P-4001-0002	Individual sensor mount for panel with nozzle
0105P-4004-0001	Spare, 105P Tubing Kit
0105P-4003-0001	Spare, 105P Fitting Kit
SQP10009-LQD	Spare, Constant Head Flow Controller

The 105P is compatible with EU RoHS and China RoHS product environmental regulations.

Emerson Templates on China RoHS 2

Template: Hazardous Substance Disclosure Table

List of Names and Contents of Hazardous Substances in the Product
产品中有害物质的名称及含有的信息表

Emerson Templates on China RoHS 2

Appendix A – List of hazardous substances in EEPs

Yours Faithfully,

Disa Drachenberg
Global Product Environmental Compliance Manager



Quick Start Guide

MS-00825-0100-9834, Rev. AB

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For more information: [Emerson.com](https://www.emerson.com)

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