Rev.1

Working procedure for ionization vacuum gauge SH200/ST200 maintenance service

ULVAC, Inc.

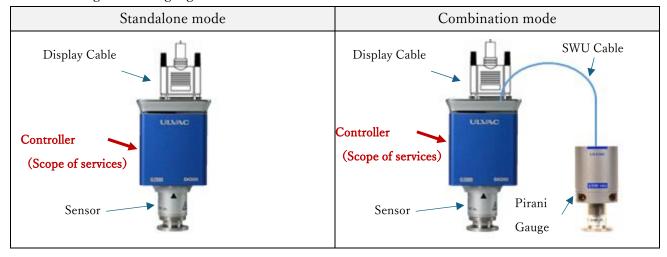
Components Business HQ

1. Abstract

This manual describes the procedure for replacing the vacuum gauge when using the maintenance service.

2. Configuration

The configuration of gauge differs between stand-alone and combination mode.



3. Tools for working with

Please prepare the following tools before working.

Tools		Purpose and Specification
Screwdriver		For removing and fixing display cable connectors.
		Tip approx. 4 mm, plus or minus should be selected according to the
		specification of the D-sub connector on the device side.
Allen spanner	/	For removing and fixing the measuring element fixing screw.
		M3 (nominal 1.5)

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4. Procedure

1. Removal of the existing vacuum gauge This is the process of removing the controller for which the condenser is to be replaced from the equipment. 1-1 Removing the display cable If possible, disconnect the power supply to the vacuum gauge (D-sub15pin) beforehand. Use a tool to unscrew the D-sub connector and remove the cable. Display Cable This connector contains the power supply, setpoint and pressure values of the IG. Please check in advance the interlocking conditions on the equipment side due to unplugging the connector. Removing SWU cable 1-2 Pull the cable out of the controller while pushing the *Only when using in connector latch in the direction of the cable insertion. Note combination mode. that the connector may be damaged if it is forcibly pulled out. **SWU** Cable Push in Direction Pull the connector out with this point pushed in.

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1-3	Loosen the measuring element fixing screw.	Loosen the two fixing screws with an Allen spanner. LINE: 0002 1200-A MADE IN JAPAN .8W, Q.C. PASSED MODEL: M-44 S/N: 000754 Made In Japan UII
1-4	Removing the controller	Pull the controller out axially. The vacuum inside the sensor is maintained when the controller is removed. 测定子固定衫
1-6	Send back controller to our office	Please send it to us after curing it with air caps, etc. Please contact our sales or service offices for the destination.

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2. Installation of alternative equipment This is the process of attaching a replacement machine to the equipment. 2-1 Controller installation Check the layout of the sockets on the controller and the pins of the measuring unit before mounting. 2-2 Installation of the measuring Tighten the two fixing screws evenly with an Allen key. element fixing screw 2-3 SWU cable installation Plug in the SWU cable. *Only when used in combination mode. When using in combination mode, connect this cable before connecting the display cable. The external vacuum gauge is recognized when energized with this cable connected. The SWU zero point and atmospheric pressure adjustment settings are stored inside the SWU and do not need to be readjusted after installation of the ionization vacuum gauge. 2-4 Installing the display cable Plug in the display cable and fix the screws.

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