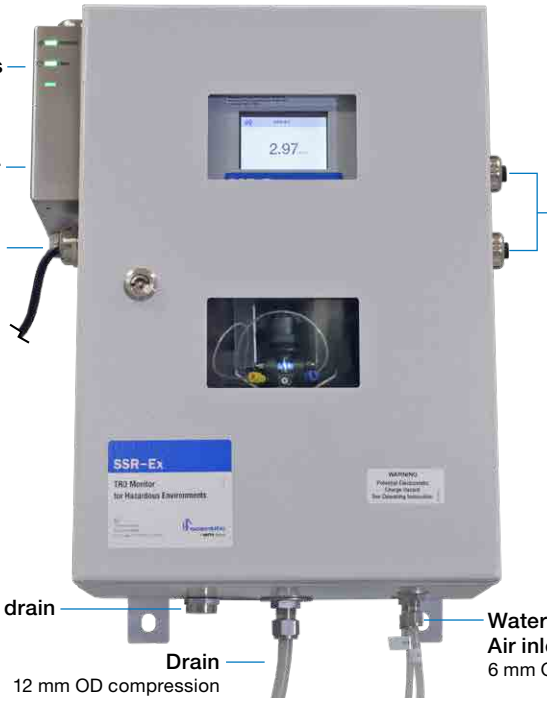
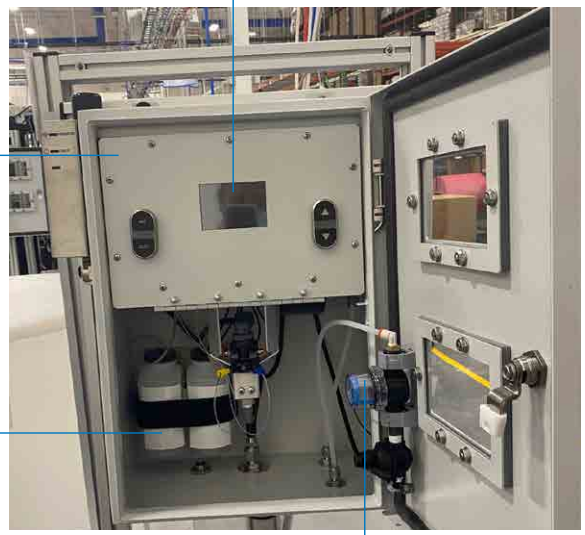
SSR-Ex

TRO Monitor for Hazardous Environments



Display
Use buttons on left and right side of screen to navigate menus.

Electronics Chamber
After ensuring power is off, remove screws in front panel to access Modbus, Relay, 4-20 mA, RMT Stby terminals



Color coded reagent

T-strainer
Access to clean

Included in package:

- SSR-Ex with Air Sentinel II
- Manual
- 2 cap assemblies
- 1 replacement cuvette
- Check valve flushing kit
- Inlet and drain fittings (6 mm and 12 mm nut and feral sets)
- Air dryer / filter

Air dryer / filter

Optional / Replacement Parts:

110187	Liquid Reagent Kit Total Chlorine
110186	TOTAL Chlorine SSR-Ex DRY REAGENT KIT (30 Day Supply)
09958	JAW Dry Reagent Kit Total Chlorine
25096	Check Valve Flushing Kit
28141	Pump Head Replacement Kit
28142	Reagent Tubing Replacement Kit
28143	Strainer/Regulator Kit
28144	Calibration Kit for SSR-EX
100004	Air Cleaner Assembly
110012	T-strainer / Pressure regulator assembly
25018S	Replacement Cuvette
28625	Replacement T-Strainer Screen

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SSR-Ex Commissioning Checklist

1. Initial Start-up

☐ Once the SSR-Ex has been fitted with the proper electrical, air, sample water and drain connections, ensure they are tight and leak free. Air and power can now be applied to the instrument. Power will be supplied to the electronics of the SSR-Ex once the Air Sentinel II completes a 3 minute purge.

*Ensure the incoming air line is fitted with the Air Filter/Dryer provided

2. Air Sentinel II Controller Operation

☐ The Air Sentinel II purge controller is installed on the side of the main enclosure. This purge controller will ensure proper, safe operation of the SSR-Ex. The Air Sentinel II will act as a governor to control the power to rest of the instrument, allowing operation only if the correct conditions are met. It does this by monitoring air pressure inside the electrical enclosure to ensure it meets the minimum requirements. Should the air supply fail, the power to the rest of the SSR-Ex is removed. The SSR-Ex will require another three-minute purge cycle upon correction of the condition. The Air Sentinel II indicates the pressure condition with an LED. If the LED is Green, the pressure is fine. If the LED is Red, the pressure is too low or not present.

3. Water Source (Flush Sample Line)

☐ Before flowing sample water into the SSR-Ex for measurement it is a good idea to flush the water line to ensure a consistent sample is present and free of other contaminants. In the SERVICE menu select Water Prime. Once selected, On and Off control for the sample pump is available.

4. Prepare and Install Reagents

☐ Prepare the required reagents and install them according to the instructions provided in the kit. Once installed, the reagents will need to be primed. In the SERVICE menu, select Prime.

5. Remote Start

☐ Once the sample water and reagents have been primed, initiate a measurement using one of the selected methods; either RST or through Modbus. The SSR-Ex will only operate using a remote start signal.

6. Observe Operation

☐ Observe the processes in the optical assembly as the SSR-Ex flushes sample water through the cuvette and completes the rest of the processes required for measurement. The reading is displayed. This completes one cycle. Subsequent cycles will repeat this process.

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

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