
Mini Refrigeration System Analyzer

- Bring digital capabilities to your existing analog brass manifold at an economical price
- Automatic superheat and subcool calculations for nearly 100 refrigerants (upgradeable via USB)
- Monitors one pressure and one live temperature
- Easy-to-read graphic display with backlight
- Internal single valve brass manifold
- Favorite refrigerant setup
- Automatic off and HOLD mode
- Maximum Working Pressure: 700 psia
- Pressure units: psig, psia, bar, kPa, Mpa, kg/cm²

Quick Guide Instructions

A complete operating manual can be found at www.yellowjacket.com

1. A 9-volt battery is supplied with the instrument inside the battery compartment on the back side of the unit. The compartment door must be opened to plug it into the power connector.
2. Connect the short yellow hose of the Mini RSA to the center port of your two-valve manifold so the Mini RSA hangs below the manifold.
3. Connect your yellow manifold hose to the bottom fitting of the Mini RSA.
4. The valve (yellow knob) on the Mini RSA should remain closed unless you are charging, recovering, or evacuating through it.
5. If desired, use nylon zip ties to secure the red and blue manifold hoses to the sides of the Mini RSA.
6. Push the I/O key on the front of the instrument. The instrument will briefly display the instrument serial number and then the main screen.
7. The three buttons under the display activate various functions as indicated above them in the display. Initially, the left button will display the "MENU" which will facilitate the selection of options and facilitate zeroing of the pressure sensor to compensate for changes in atmospheric conditions. Press this "MENU" button and step through the setup options using the top row of buttons.
8. The Mini RSA will measure the pressure at the center port of the two-valve manifold. For low side system pressure, close the high side manifold valve and open the low side manifold valve. For high side pressure, close the low side manifold valve and open the high side manifold valve.
9. With the "MENU" options set properly and the main display in view, open or close the valve on the front of the instrument and attach the instrument fittings to an HVAC/R unit, as service needs require.
10. Plug a K-Type thermocouple into the instrument and attach the thermocouple lead to an HVAC/R unit, as service needs require.
11. During the servicing of HVAC/R units, use the "SH/SC" key to toggle between SUPER HEAT + DEW PT (dew point) and SUB COOL + BBL PT (bubble point) readings.
12. Press the B/L key momentarily to activate the backlight for 15 seconds, or press it for two seconds to keep it on until pressing it again to turn it off. (Using the backlight will shorten the life of the battery).