

Si-RV3

SAFETY INSTRUCTIONS



- This device has been developed for the pressure and temperature measurements and settings on stationary or mobile refrigeration equipment. It must not be used in any other purpose.
- This device has been developed, produced and sold exclusively to trained and qualified experts in the field of HVACR. Appropriate training is necessary in order to guarantee a riskless use of this instrument. Sauermann is not responsible for any possible accident during its use.
- Please always use the device in accordance with its intended use and within parameters described in the technical features in order not to compromise the protection ensured by the devices.
- Maximum operating pressure: 65 bar (942 psi)
- The device must not be used with ammoniac refrigerant gas (NH₃ / R717)
- Do not use the device if it is damaged or if it operates abnormally. Inspect the device before every use.
- Always wear protective glasses and gloves when using the Manifold in order to protect your eyes and skin when operating refrigerant gases. The vapours of refrigerant gases are extremely cold. Do not expose your skin to these vapours.



Please refer to the complete user manual of the Si-Manifold application to get more information about safety instructions.

DOWNLOAD THE APPLICATION

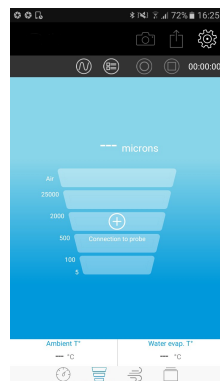
- Go to Google store or App store.
- Search for **"Si-Manifold"** application.
- Install the application.



It is also possible to download the application by flashing the following QR code:



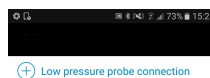
PAIR THE PROBES



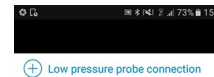
Press **"Connect the probe"** on the left-hand corner of the screen.



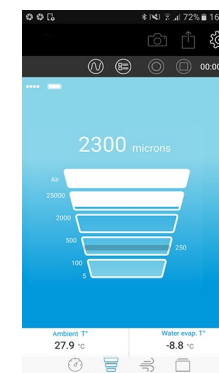
Turn on the low pressure probe.



Press **"Search for probes"**.



Select the probe to pair and press **"Pair"**.



After a few seconds, measured values are displayed.

CONNECT THE Si-RV3

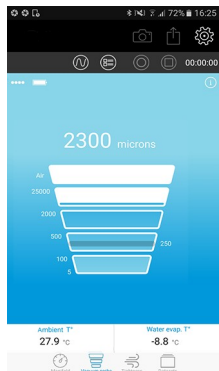
For vacuum measurements:

- Press  on the bottom of the screen to go to **"Vacuum"** mode..
- Connect the vacuum probe on the system to control.



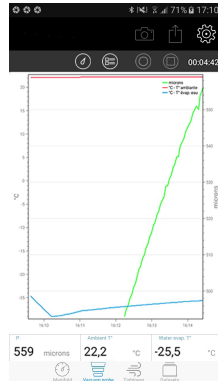
LAUNCH A MEASUREMENT / DISPLAY DIFFERENT VIEWS / ACCES TO PARAMETERS

Launch the measurement



Press 

Display different views of the measured values

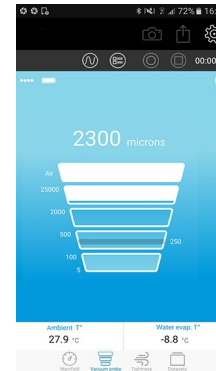


Press  to display the values curves
or press  to display the values table.

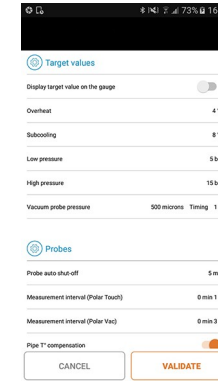


Date/Time	P [microns]	Ambient T °C
24/03/2017 16:16:41	198	22.3
24/03/2017 16:16:38	203	22.3
24/03/2017 16:16:35	209	22.3
24/03/2017 16:16:32	214	22.3
24/03/2017 16:16:29	220	22.3
24/03/2017 16:16:26	224	22.3
24/03/2017 16:16:23	227	22.3
24/03/2017 16:16:20	227	22.3
24/03/2017 16:16:17	226	22.3

Access to the application parameters



Press 



Parameters list

- Target values**
 - Display target value on the gauge: ☐
 - Overheat: 4 °C
 - Subcooling: 8 °C
 - Low pressure: 5 bar
 - High pressure: 15 bar
 - Vacuum probe pressure: 500 microns Timing: 1 s
- Probes**
 - Probe auto shut-off: 5 min
 - Measurement interval (Polar Touch): 0 min 1 s
 - Measurement interval (Polar Vac): 0 min 3 s
 - Pipe T° compensation: ☐

CANCEL VALIDATE

Read the complete user manual of the Si-Manifold app to get information about all the available functions.



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