### **Sauermann**<sup>®</sup>

### Si-RM3

#### SAFETY INSTRUCTIONS



- This device has been developed, produced and sold exclusively to trained and gualified 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 (NH<sub>2</sub> / 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.

#### PAIR THE PROBES

#### Example with the low pressure probe:

00G	∦ 141 ∑ "al 73% 🖬 15:28
	හේ 🖞 ව
🋞 R407A 🔵 🕖 😢	) 🔘 🔲 00:00:00
T' Ti contact	T <sup>*</sup> T2 contact
°C	°C
Ambient T*	Ambient T*
°C	°C
T1T2 delta	T2T1 delta
°C	°C
0 3	2 0

Press "Connect the probe" on

the left-hand corner of the screen.



Turn on the low

pressure probe.

PAIR

(+) Low pressure probe connection

Press "Search for probes".

Select the probe to pair and press "Pair".

+ Low pressure probe connection

Si-RM3 - 2M 17.02.00006.H (i)

Si-RM3 - 2M 17.02.00006.L

elect a probe

Si-RM3

Si-RM3

After a few seconds, measured values are displayed.

4.3

195

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# Before any measurement, perform an auto-zero of the probe in fresh air.

### 🏶 R407A 🔵 🕖 📧 Perform an autozero of the probe in fresh air by pressing



the same procedure to pair the high pressure probe

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

DOWNLOAD THE APPLICATION

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

Available on the

Google play

> Install the application.







### SIMPLIFIED USER MANUAL

Download on the App Store

#### **CONNECT THE Si-RM3**





#### For pressure measurements:

- Connect the low pressure probe on the system to control.
  Connect the high pressure probe on the system to control.

#### For pipe temperature measurements:

- > Connect the temperature clamp on the pressure probe.
- > Position the temperature clamp on the pipe.



#### LAUNCH A MEASUREMENT / DISPLAY THE REFRIGERANTS LIST / ACCESS TO PARAMETERS

#### Launch the measurement

006	* ) ¥I 7 "I 73% 🛿 15:28			
R407A (10) (8)	00:00:00			
5.2 bar tog := 0.7 *C togetter 3.6 *C	Connection to probe			
<b>1° T1 Contact</b> 4.3 °C	T* T2 Contact °C			
Ambient T* 19.5 °C	Ambient T* C			
T1T2 delta *C	T2T1 delta *C			
Mandel Vaccom prote	Tophoness Datavets			
Press 🔘				

#### **Display the refrigerants list**

Ф <b>Г</b> .	≉ 1¥I 7 .d 73% £ 15:28	0006	≉ IN4I 😤 "∉ 73% 🙆 16:0
🖻 R407A 🔵 🕖 🧕	O O 00:00:00	Favorites	
		🗆 🔵 R134a	*
		□	*
	(+) Connectionate and a	🗆 🔵 R32	🔺 🛦
Gaustian 3.6 °C	Connection to probe	R404A	*
I' TI Contact	T* T2 Contact	R407A	*
<b>4.3</b> °c	°c	□ <b>●</b> R407C	*
Ambient T* 19.5 °C	Ambient T*	□	*
T1T2 delta	T2T1 delta	🗆 🛑 R410A	*
0 F		CANCEL	VALIDATE

#### Access to the application parameters

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	* 141 7 al 73% 🖬 15:28	O []		∦ )≪l ⊼ ⊿l 73% ⊠ 16:01	
	tộ: 🖞 tô				
R407A 🔵 🕖 🔞	€ 00:00:00	() ()	Target values		
		Display	target value on the gauge		
		Overhe	tet	4 °C	
		Subcoo	aling	a.c	
		Low pre	essure	5 bar	
		High pr	ressure	15 bar	
™ <b>3.6</b> *c		Vacuum	m probe pressure	500 microns Timing 1 s	
Contact	T* T2 Contact				
4.0 0	Ŭ		Probes		
10 F	Ambient T*	Probe a	auto shut-off	5 min	
19.5 °C	°C	Measur	rement interval (Polar Touch)	0 min 1 s	
delta	T2T1 delta	Measur	rement interval (Polar Vac)	0 min 3 s	
*C	°C	Pipe T*	compensation		
Manifed Version protect	Tohness Datasets		CANCEL	VALIDATE	
Drocc	22		Daramat	are list	
Press	203		Parameters list		
	222				

Register now to get your additional 1 year manufacturer warranty! warranty.sauermanngroup.com

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