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## SI - RM3

Smart wireless manifold P/T probes with dual valves

### Product informations

**SI - RM3** smart wireless manifold probes for pressure and temperature measurements in a refrigeration system.

### Product features

- light and curved design for easy plug-in to facilities
- dual valve system for simultaneous measurement and charge/discharge of refrigerant
- built-in Shrader® cores for easy refrigerant charging
- range up to 60 bar
- reduce the use of cumbersome hoses
- overmoulding for easy handling and protection
- long range wireless connection 4.2 low energy

### Manifold features

- superheat and subcooling real time calculation
- condiguration of superheat/subcooling target values
- heating and cooling functions
- 126 refrigerant gases with favorite list

### Vacuometer Features

- vacuum measurement function



- configuration of vacuum target value
- temperature of water evaporation

## The kit consists of

- 2 pressure probes Ref: *Si-RM1*
- 2 temperature probes Ref: *Si-RM2*
- certificate of conformity
- user manual
- 6 AAA batteries
- soft case Ref: *Si-RM4*

## Manifold App features

- clear interface for easy reading in any condition
- gauge, table or graphic visualizations
- creation of measurements report with possibility to add pictures
- report exportation in PDF, CVS and XML formats
- data logging
- chronometer function
- free app for iOS and Android devices (*minimum required versions: Android 4.4, iOS 8.0*)

## Download here!

- <https://apps.apple.com/us/app/si-manifold/id1294563130>
- [https://play.google.com/store/apps/details?id=com.sauermann.si\\_manifold&hl=en](https://play.google.com/store/apps/details?id=com.sauermann.si_manifold&hl=en)

TOOL DESCRIPTION	
1	FEMALE CONNECTOR ¼" FFL WITH SCHRADER® DEPRESSOR



<i>TOOL DESCRIPTION</i>	
2	IDENTIFICATION LABEL
3	MALE CONNECTOR ¼" MFL WITH SCHRADER® VALVE
4	CAP
5	INPUT FOR TEMPERATURE CLAMP PROBE
6	OPERATING LED
7	ON/OFF BUTTON

## Technical Features

<i>PRESSURE</i>	
<i>PRESSURE VALVES</i>	2 VALVES
<i>MEASURING RANGE</i>	- 1 ÷ 60 BAR
<i>PRESSURE SENSING ACCURACY</i>	± 0.5% OF FULL SCALE
<i>AVAILABLE UNITS</i>	PSI, MPA, KPA, BAR
<i>REFRIGERANT DATABASE</i>	126 REFRIGERANT GASES CFC, HFC, HCFC, N, CO <sub>2</sub> , H <sub>2</sub> O (SEE THE COMPLETE LIST IN THE USER MANUAL)
<i>RESOLUTION</i>	0.1 PSI, 0.001 MPA, 1 KPA, 0.01 BAR
<i>OVERPRESSURE</i>	65 BAR
<i>BREAKING PRESSURE</i>	150 BAR
<i>OPERATING TEMPERATURE</i>	- 20 ÷ 50°C
<i>STORAGE TEMPERATURE</i>	- 20 ÷ 60°C
<i>TEMPERATURE</i>	
<i>NUMBER OF PROBE</i>	2 CLAMP PROBES



<b>TEMPERATURE PROBE</b>	HIGH ACCURACY NTC THERMISTORS
<b>TEMPERATURE SENSOR FIELD</b>	- 40° ÷ 150°C
<b>TEMPERATURE ACCURACY</b>	± 1.3°C
<b>MAX OPERATING TEMPERATURE</b>	<ul style="list-style-type: none"> <li>• CLAMPS: 150°C</li> <li>• CABLE: 105°C</li> <li>• HANDLE: 90°C</li> </ul>
<b>AVAILABLE UNITS</b>	°C, °F, K
<b>RESOLUTION</b>	0.1°C, 0.1°F, 0.1 K
<b>PIPE DIAMETERS</b>	FROM 6 TO 42 MM
<b>CABLE</b>	2 M LENGTH WITH REINFORCED 3 POINT JACK CONNECTOR - Ø 3.2 MM - PVC MATERIAL - MAX. TEMPERATURE 105°C
<b>DEVICE</b>	
<b>ENVIRONMENTAL CONDITIONS OF USE</b>	<ul style="list-style-type: none"> <li>• HUMIDITY: NOT UNDER CONDENSING CONDITIONS (&lt;80% RH)</li> <li>• MAXIMUM ALTITUDE: 2000 M</li> <li>• NON-CORROSIVE OR COMBUSTIBLE GASES</li> </ul>
<b>BATTERY LIFE</b>	250 H (FOR ONE MEASUREMENT EVERY SECOND AT 20°C)
<b>BLUETOOTH® RANGE</b>	UP TO 30 M (DEPENDS ON THE WIRELESS CONNECTION RANGE OF THE SMARTPHONE AND TABLET)
<b>CASING</b>	
<b>MATERIAL</b>	<ul style="list-style-type: none"> <li>• WIRELESS SMART PROBE: ABS-PC AND THERMOPLASTIC ELASTOMER</li> <li>• TEMPERATURE CLAMP PROBES: POLYAMIDE 6.6</li> <li>• MANIFOLD BODY: ANODIZED ALUMINUM</li> </ul>
<b>POWER SUPPLY</b>	3 AAA 1.5V ALKALINE BATTERIES



SI - RM3

<b>DEGREE OF PROTECTION</b>	IP54 (PROTECTED AGAINST SPLASHING WATER FROM ANY DIRECTION AND PROTECTED AGAINST DUST SUCH THAT IT DOES NOT INTERFERE WITH THE OPERATION OF THE DEVICE)
<b>WEIGHT</b>	560 G

SKU	MODEL	PRICE
00000011641	SI-RM3	€757.5 VAT EXCLUDED

