

DATA SHEET

Si-RP4



Wireless pressure probe



Features

- A1, A2L and A3 refrigerants compatible
- Light and curved design for easy plug-in
- Quick & Strong wireless auto connection (100 m range)
- Real time readings through direct connection to mobile app
- IP54 dust & rain proof probe

DESCRIPTION

This wireless pressure probe provides accurate high and low-pressure measurements for air conditioning, refrigeration and heat pump installations.

The Si-RP4 allows all types of refrigerant-based installations to be serviced quickly and safely. It connects easily to the mobile application Sauermann Pilot via a low-power wireless communication protocol.

Designation: Si-RP4

Sales reference: 28144

TECHNICAL FEATURES

Pressure	
Measuring range	From -1 to 60 bar (-14 to 870 psi)
Pressure sensing accuracy*	±0.5% of full scale
Available units	bar, psi, kPa, MPa
Resolution	0.01 bar / 0.1 psi / 1 kPa / 0.001 MPa
Overload	65 bar (943 psi)
Burst pressure	150 bar (2175 psi)

*All accuracies specified in this document were conducted under laboratory conditions & can be guaranteed for measurement carried out in the same conditions. or

Device	
Operating temperature	From -20 to 50°C (-4 to 122°F)
Storage temperature	From -20 to 50°C (-4 to 122°F)
Power supply	3x LR03 AAA 1.5 V alkaline batteries
Battery life	150 h @ 20°C / 68°F
Wireless frequency	Range frequency from 2402 MHz to 2480 MHz with a transmission power of 8 dBm.
Wireless range	Range between manifold and wireless probes up to 100 m (328 ft). App connection: depends on smartphone radio strength, range up to 100 m (328 ft).
Compatibility	Smartphone minimum required versions: Android 11.0, iOS 15, BLE 5.0*
Connections	1x 1/4 FFL female
Environmental conditions of use	In non-condensing condition Altitude: from 0 to 2000 m (0 to 6561') Non-corrosive gases
European directives	2011/65/EU RoHS II; 2012/19/EU WEEE; 2014/53/EU RED

* Can work with BLE4.0 but the wireless range will be downgraded

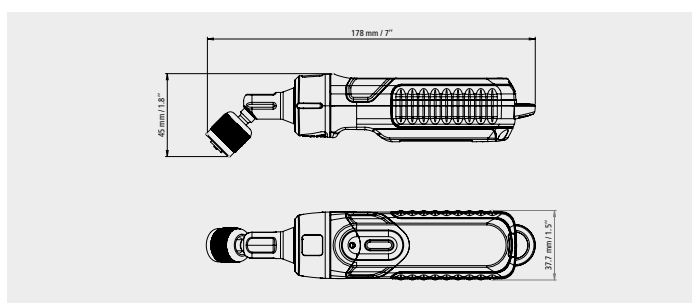
HOUSING

Weight	200 g (0.44 lb)
Control	1 on/off button
Material	Polyamide 6.6 + 30% glass fiber & TPE
Protection	IP54

KIT CONTENT

- Adjustment certificate
- 3x AAA batteries

DIMENSIONS



New smart assistant app: Sauerstoff Pilot

Digital tech leveraged to help technicians

- Free app for iOS & Android mobile devices
- Real time control, readings display and recordings
- Create, sign and send reports with pictures
- Report creation in PDF and CSV (for Excel) formats
- Internal detailed customer database management



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