

WÖHLER

Operating manual
Refrigerant Scale

EN

Wöhler RS 400



Best.-Nr. 25249 – 2024-02-02

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1 General Information

1.1 Information on the operating instructions

These operating instructions enable you to operate the Wöhler RS 400 refrigerant scale safely. Keep these operating instructions for your information.

The Wöhler RS 400 may only be used by qualified personnel for the intended purpose.

We accept no liability for damage resulting from failure to observe these operating instructions.

1.2 Notes in the operating instructions



ATTENTION!

Indicates hazards that may result in damage to the unit.



NOTE!

Highlights tips and other useful information.

1.3 Intended use

The Wöhler RS 400 is a digital refrigerant scale for determining the weight of the refrigerant during maintenance tasks.

1.4 Basic equipment

Device	Scope of delivery
Wöhler RS 400	Wöhler RS 400 Refrigerant scale with operating unit
	5 AAA alkaline batteries
	Nylon bag

1.5 Information on Disposal



Electronic equipment does not belong into domestic waste, but must be disposed in accordance with the applicable statutory provisions.

You may hand in any defective batteries taken out of the unit to our company as well as to recycling places of public disposal systems or to selling points of new batteries or storage batteries..

1.6 Address

Wöhler Technik GmbH

Wöhler-Platz 1

33181 Bad Wünnenberg

Tel.: +49 2953 73-100

E-mail: info@woehler.de

2 General warnings



ATTENTION!

The maximum weight of the scale is 100 kg. Overloading can damage the sensor and the housing.



ATTENTION!

Clean the scale housing only with water and mild detergents, never with solvents.

Never open the housing.

Do not pull on the spiral cable.

Remove the batteries if you are not going to use the scale for a long time to avoid battery fluid leakage.

The batteries are not rechargeable.

3 Specification

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Description	Indication
Maximum weight	100 kg
Resolution	5 g
Accuracy	± 0.5 % of the measured value + 10 g
Battery	5 AAA alkaline batteries
Battery life	40 hours
Protection Class	IP 54
Operating conditions	
Working temperature	- 10 °C to 40°C
Storage temperature	- 15 °C to 50°C
Permissible temperature fluctuations during operation	5 °C / h
Humidity	50 - 85 %
Dimensions	271 x 271 x 74 mm

4 Functions

Description	Indication
Tare function	For total measuring range
Automatic switch off	After 10 minutes without weight change
Overload warning at > 100 kg	Display shows "Full", long beep, LED flashes red

5 Structure and functions

5.1 Display

Weight indication: stable
when permanently lit

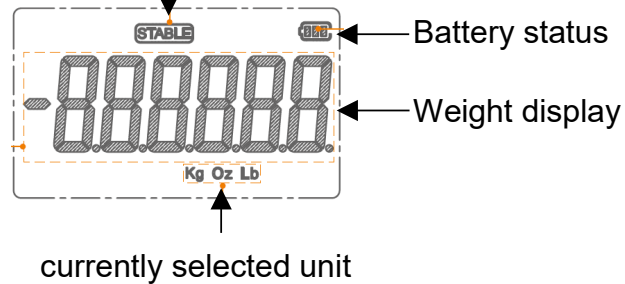


Fig. 5: Display

5.2 Control panel



Fig. 6 : Wöhler RS 400

Key	Keystroke	Functions
Power	short	on
	3 s	off
Zero	Short	Zero displayed weight
Unit	short	Change between units (kg, oz and lb)
Lamp	short	Backlight on for 10 s
	3 s	Backlight permanently on
	short	Switching off the permanent backlight

6 Operation



Fig. 7: Underside of the scale with control unit

- Remove the control unit from the compartment on the underside of the scale.

- Place the scale on a stable and level surface.
- Press the power button to switch on the scale. After a short self-test (approx. 2 s) a beep sounds. The scale is now ready for operation.
- Press the Unit button to select the desired weight unit. (kg, oz, lb)
- Press the Zero button to zero the weight display.
- Place the refrigerant container centrally on the scale and zero again,

You will now get your information about the weight of the refrigerant (tare) during filling or evacuation of the system.

- Read off the weight when the weight display is stable. "Stable" then appears at the top of the display.

7 Battery change



Fig. 8: Back side of the control unit with open battery compartment

When the battery is low, the battery indicator on the control unit display flashes and the weight display may become unstable.

- In this case, replace the batteries.



NOTE!

There are 5 AAA alkaline batteries in the control unit. There are no batteries in the scale.

- Open the battery compartment on the back of the control unit. Observe the correct polarity when inserting the new batteries.

8 Warranty and service

8.1 Warranty

Every Wöhler RS 400 digital pressure gauge is tested for all functions and only leaves our factory after a detailed quality control.

If used properly, the warranty period for the Wöhler RS 400 pressure gauge is twelve months from the date of sale. Excluded are batteries and damage to the pressure sensor caused by overloading.

The warranty does not apply if repairs and modifications have been carried out on the unit by a third party, not authorised by the manufacturer.

8.2 Service

SERVICE is very important to us. That is why we are of course also there for you after the warranty period.

- You send the meter to us, we repair it within a few days and send it to you with our parcel service.

Immediate help is available from our technicians on the phone.

9 Declaration of conformity

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WÖHLER Technology GmbH
Wöhler-Platz 1, D-33181 Bad Wünnenberg

explains that the product:

Product name: Wöhler RS 400 refrigerant scale

complies with the essential protection requirements laid down in the Council Directives on the approximation of the laws of the Member States relating to electromagnetic compatibility 2014/30/EU.

The following standards were used to assess the product with regard to electromagnetic compatibility:

EN IEC 61326-1:2021

EN IEC 61000-3-2:2019 + A1:2021

EN 61000-3-3:2013 + A1:2019 + A2:2021

Bad Wünnenberg, 02.02.2024



Dr. Michael Poeplau, Geschäftsführer/Managing Director