

**CHECK IT OUT!**



## Wöhler Refrigeration

As cool as you are!



# Wöhler Refrigeration

Everything under control with the professional measuring equipment

Heat pumps and cooling systems must be optimally set to operate economically. Only then can they heat or cool to the desired degree with low power consumption. Your efforts therefore make a very important contribution to energy efficiency. Another important point is the tightness of the system, because escaping refrigerants can pose a considerable risk to the environment. With the new refrigeration measuring devices from Wöhler, you can make adjustments to the system and carry out leak tests very quickly and effectively, so that not only benefits the environment, but also yourself.

### All the necessary measuring devices

Pressure, temperature, superheating, subcooling and refrigerant quantity - these are the system parameters that the refrigeration engineer must have in view. Wöhler offers you a selection of measuring devices for this purpose: a refrigerant manifold for checking and adjusting heat pumps and cooling systems, as well as a scale for measuring the weight of refrigerant pressure vessels when filling or draining refrigeration circuits. In addition, there is a refrigerant leak detector for the rapid detection of even the smallest quantities of leaking refrigerant. All devices are robust and suitable for use by all tradesperson and of course comply with the relevant standards.

### Helpful accessories

Sophisticated accessories make your work even easier. Refrigerant hoses that can be closed with ball valves and robust temperature tongs are included within the contents of the installation aid. In addition, there are practical accessories, e.g. the Wöhler heat pump cleaning case, which contains the perfect tools for cleaning the housing, fins and condensate drain. So the job is done thoroughly and quickly.



Robust housing



Digital display



Ball valves at the connection hoses



Non slip rubber coating



For all common refrigerants



Wide range of applications due to the various measurement options.



Precise detection of all common refrigerants.

## Advantages

- ▶ Can be used with all common refrigerants
- ▶ Easy handling due to practical accessories, for example lockable connection hoses (ball valves)
- ▶ Everything in view on digital displays of the units
- ▶ Easy storage and transport due to plastic case and high-quality carrying bag



# Technical Data

## Wöhler MR 400 Refrigerant Manifold

### Print

Measuring range:	-1...55 bar
Accuracy:	±0,5 % of the full scale value
Resolution:	0,03 bar

### Temperature

Measuring range:	-40...150 °C
Accuracy:	±0,5 °C
Resolution:	0,1 °C

### Refrigerant

R113 R114 R115 R116 R12 R123 R1233ZD R1234ZE R1234YF R124 R125 R13 R134A R14 R141b R142b R143A R152A R170 R22 R23 R236FA R245FA R290 R32 R401A R401b R401C R402A R402b R403b R404A R406A R407A R407b R407C R407d R407F R408A R409A R410A R410b R412A R413A R414A R414b R416A R417A R417C R420A R421A R421b R422A R422b R422C R422d R424A R426A R427A R428A R429A R434A R437A R438A R441A R443A R448A R449A R450A R452A R452b R453A R454A R454b R455A R458A R500 R502 R503 R507A R508A R508b R514A R600 R600A R601A R718 R744

### Power supply

3 AA alkaline batteries 1.5 V

## Wöhler RS 400 Refrigerant Scale

### Weight

Measuring range:	0...100 kg
Accuracy:	±0,5% of the measured value+ 10 g
Resolution:	5 g

### Power supply

5 AAA alkaline batteries

### Application

#### Wöhler MR 400 Refrigerant Manifold

- ▶ Maintenance work on refrigeration systems and heat pumps
- ▶ Diagnosis of operating states of refrigerants in refrigerant circuits
- ▶ Indication of high and low pressure
- ▶ Measurement of superheating and subcooling
- ▶ Vacuum measurements

#### Wöhler RS 400 Refrigerant Scale

- ▶ Weight measurement to determine the contents of pressure vessels



Easy to carry out maintenance work on heat pumps.



Connection hoses with ball valves for quick closing and opening of refrigerant flow





# Basic Sets



	Wöhler MR 400 Refrigerant Manifold	Wöhler RS 400 Refrigerant Scale
Maintenance work on refrigeration systems and heat pumps	•	
Diagnosis of the weight of the refrigerant during maintenance tasks		•
<b>Delivery contents</b>		
Wöhler MR 400 Refrigerant Manifold	•	
Refrigerant hoses (3 pcs.), each with Schrader thread 1/4" SAE, closable with ball valve	•	
Temperature clamps (2 pcs.)	•	
AA batteries 1.5 V (3 pcs.)	•	
Case	•	
Wöhler RS 400 Refrigerant Scale with operating unit		•
AAA batteries 1.5 V (5 pcs.)		•
Bag		•
<b>Order no.</b>	11367	11363

• = included

# Accessories

	Order no.
 <b>Wöhler RL 200 Refrigerant Leak Detector</b> for leakage control and leak detection on refrigerant systems  Delivery contents: Wöhler RL 200 Refrigerant Leak Detector, Gooseneck 440 mm, Batteries, Plastic case	11361
 <b>Wöhler IR Temp 310 Infrared Thermometer</b>  Delivery contents: Wöhler IR Temp 310 infrared thermometer, 2 AAA batteries	1388
 <b>Wöhler SP 22 Sound Level Meter</b>  Delivery contents: Wöhler SP 22 Sound Level Meter in plastic case	6670
 <b>Wöhler WA 335 Water Analyzer</b>  Delivery contents: Wöhler WA 335 Water Analyzer, pH probe, EC probe, pH Calibration solution 4 / 7 / 10, Refill cup (3 pcs.), Plastic case Wöhler WA 335	6758

